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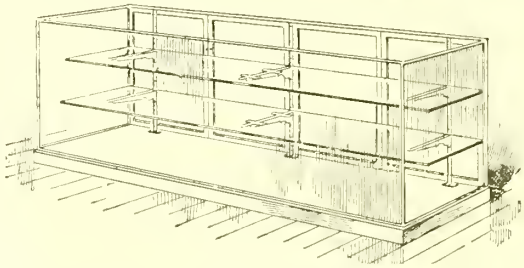

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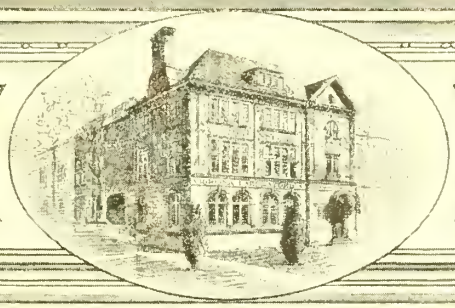

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Standard Tablet & Pill Co., Ltd.
Woolley, J., Sons & Co., Ltd.

DEVELOPERS (PHOTO)
Evans Sons Lescher & Webb, Ltd.
Express Developing Co.
Johnson & Sons (Mfg. Chts.)

DEXTRINE
Fink, F., & Co.

DIABETIC FOODS
Scott, R. M.
Van Abbot, G., & Sons

DIGESTIVE PRODUCTS
Fairchild Bros. & Foster

DISINFECTANTS
Baiss Bros & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
Chemical Union, Ltd.
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Ellison, Henry, Ltd.
Sanitas Co., Ltd.
Willowe, Francis B. & T.
Wright, Layman & Umney, Ltd.

DISINTEGRATORS
Hardy Patent Pick Co., Ltd.

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Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Berliner, Arthur
Brook, Parker & Co., Ltd.
Brytstele Manfg. Co.
Burge, Warren & Ridgley, Ltd.
Bush, H. W., & Co., Ltd.
Edwards, W., & Son
Evans Sons Lescher & Webb, Ltd
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Poths, H., & Co.
Quelch, H. C., & Co.
Sangers
Schutze, F., & Co., Ltd.
Solport Bros.
Swales, Thomas
Toogood, W., Ltd.
Toser, J. V.
Wattenbach, O.
Woolley, J., Sons & Co., Ltd.

DRUGS, CRUDE
Gathergood's Exor.
Goodall, Backhouse & Co.
Potter & Clarke, Ltd.
Schmitt & Wildenhayn

EARTHENWARE JARS, &c.
Fulham Pottery & Cheavin Filter Co., Ltd.

EAU DE COLOGNE
Bronnley, H., & Co., Ltd.
Farina, J. M.
Farina, J. M. (No. 4)
Fickus, Courtenay & Co.
McCracken, J. & R.
Schutze, F., & Co., Ltd.

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Bath & West of England College
Birmingham & Midland College
Charing Cross Hospital Medical School
Charleston, J.
College of Preceptors
Eit's College
Glasgow School of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
North of England School
Northern College of Pharmacy
South of England College
Westminster College

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Ayrton, Saunders & Co., Ltd.
Bishop, Alfred, Ltd.
Blyton, Astley & Co.
Bristol-Myers Co.
Cupal, Ltd.
Evans Sons Lescher & Webb, Ltd
Guest, Thos., & Co.
Kerfoot, Thos., & Co.
Potter & Clarke, Ltd.
Reade Bros. & Co., Ltd.
Wright, Layman & Umney, Ltd.
Wyleys, Ltd.

EGG PRESERVATIVES
Home Yeast Co., Ltd.
Keeps, Ltd.

ELASTIC HOSIERY
Ayrton, Saunders & Co., Ltd.
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Wood, Vincent

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Evans Sons Lescher & Webb, Ltd
Millard Bros., Ltd.
Simplex Conduits, Ltd.
Tokalon, Ltd.
Ward & Goldstone
Wright, Archibald J., Ltd.

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Oakey, J., & Sons, Ltd.

EMETINE SALTS
Macfarlan, J. F., & Co.
Whiffen & Sons, Ltd.

EMULSIFIERS
Bennett, Sons & Shears, Ltd.
Wilkinson, S. W., & Co.

EMULSIONS, C.L.O., &c.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
Boulton Macro, Ltd.
British Drug Houses, Ltd.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Stevenson, H. E., & Co.
Wyleys, Ltd.

ENAMELLED HOSPITAL REQUISITES
Orme, Evans & Co., Ltd.

ENEMAS
Burge, Warren & Ridgley, Ltd.
Ingram, J. G., & Son
Warne, W., & Co., Ltd.

EPSOM SALTS
Howards & Sons, Ltd.

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British Drug Houses, Ltd., The
Stevenson, H. E., & Co.
Tasmanian Eucalyptus Oil Co.

EVAPORATORS
Forshaw, E., & Son, Ltd.

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Alliance Drug & Chem. Co.
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essence Co.
Sinalco Co., Ltd.
Stevenson & Howell, Ltd.

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Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

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Potter & Clarke, Ltd.

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Curling, Geo., Wyman & Co.
Evans Sons Lescher & Webb, Ltd
Gathergood's Exor.
Hewlett, O. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W., & Son, Ltd.

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Great Western Railway

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Schutze, F., & Co., Ltd.

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Forgrove Machinery Co., Ltd.
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Berkefeld Filter Co., Ltd.

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Aeroxon Fly-catcher Works
Alabastine Co. (British), Ltd.
Booth & Co., Ltd.
Brown Manfg. Co., Ltd.
Ford, Shapland & Co.
Kay Bros., Ltd.
Smith, Jno. H., & Co.
Tunbridge & Wright

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Bell (John), Hills & Lucas, Ltd.
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Brand & Co., Ltd.
Branovim Co.
British Casein Co. (1911), Ltd.
Fairchild Bros. & Foster
Fletcher, Fletcher & Co., Ltd.
Frame Food Co.
Harker, Stagg & Morgan, Ltd.
Horlick's Malted Milk Co.
Lofthouse & Saltmer, Ltd.
Natural Food Co., Ltd.
Numol, Ltd.
Patermann Bros.
Plasmon, Ltd.
Sister Laura's Infant Food Co.
Southall Bros. & Barclay, Ltd.
Wander, A., Ltd.
Willows, Francis B. & T.
Woolley, Jas. Sons & Co., Ltd.

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Mumford, G. S., & Sons

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Sanitas Co., Ltd.

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Sleggs & Co.

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Williams, E., & Co.

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Price's Patent Candle Co., Ltd.

GLYCEROPHOSPHATES
Anglo-American Pharm. Co.
Merck, E.

GREASE REMOVER
Perkin & Co., Ltd

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Goodall, Backhouse & Co.
Willows, Francis B. & T.

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Hardy Pat Pick Co., Ltd.

GRIPE WATER
Woodward, W., Ltd.

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Kidston, W. M., & Co.

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Knox Walker, J., & Co., Ltd.

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Milner's Chemical Co.
Seuler, Alfred, & Co.

HAND CARTS, TRUCKS, &c.
Crewe & Co.

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Blackie, Robert
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Harrison, G. W.
Knoll & Co., Ltd.
Lindner, M.
Osborne, Garrett & Co.
Rebare's Aureoline
Sangers
Steele & Marsh
Tokalon, Ltd.

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Jackson, T. S., & Sons
Whitaker & Co.

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Potter & Clarke, Ltd.

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Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

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Ward & Goldstone

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Kingsley Hotel
Thackeray Hotel

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Fulham Pottery & Cheavin Filter Co., Ltd.
Galen Manfg. Co., Ltd.
Schutze, F., & Co., Ltd.
Toogood, William, Ltd.
Wood, Vincent

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May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

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Knoll & Co., Ltd.
Widenmann, Broicher & Co., Ltd.

HYPOPHOSPHITES
May & Baker, Ltd.
Morson, T., & Son
Tyrer, T., & Co., Ltd.

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Ichthyol Gesellschaft

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Bewlay & Draper, Ltd

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Danyes Virus, Ltd.
Keating, Thomas
Potter & Clarke, Ltd.

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Cook, E., & Co., Ltd

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London & Midland Insurance Co., Ltd.

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Burroughs Wellcome & Co.

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Ransom, W., & Son, Ltd.

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Bush, W. J., & Co., Ltd.

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Chem Works "Victoria"
Merck, E.

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Goodall, Backhouse & Co.
Idris & Co., Ltd.

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Maw, S., Son & Sons
Robinson & Sons, Ltd.
Taylor, W. G.

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Apollo
Burgoyne, Burbidges & Co.
Evans Sons Lescher & Webb, Ltd.
Jackson, Ernest, & Co.
Mumford, G. S., & Sons
Solassi

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Macfarlan, J. F., & Co.
May & Baker, Ltd.

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Hall Forster & Co., Ltd.
Internl. Sponge Importers, Ltd.
Solport Bros.
Swales, Thomas

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Denoual, Jules, & Co.
Guest, Thos., & Co.
Jackson, Ernest, & Co.
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Raimes & Co.
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Henry, T. & W.
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Tokalon, Ltd.
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Boulton Macro, Ltd.
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Burroughs Wellcome & Co.
Calder, James, & Co., Ltd.
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Curling, Geo., Wyman & Co.
Davies, Sons & Co.
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Fletcher, Fletcher & Co., Ltd.
Paine & Co., Ltd.
Pascall, James, Ltd.
Patermann Bros.

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Tooth's Extract of Meat Co.

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Riddell & Smith
Thornley, Samuel, Ltd.

MILK SUGAR
Hollandsche Melkenikerfabriek

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Ingram & Royle, Ltd.
Vichy-Celestins
Vittel

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Tilling, Thomas, Ltd.

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Rueff, Julius

MUSTARD SEED OIL
Johnson, J. H. & S.

NAIL POLISH PAPER, &c.
Pharm. Ind Ges. Offenbach

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Burt, Boulton & Haywood, Ltd.

NICOTINE
Campbell, J. D.

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Boake Roberts & Co., Ltd.
Bonaventura, F., & Co.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Evans Sons Lescher & Webb, Ltd
Jakson, John, & Co.
London Essence Co.
Lueders, George, & Co.
Poppelreuter, W.
Ransom, W., & Son, Ltd.
Schimmel & Co.
Stevenson & Howell, Ltd.
Wright, Layman & Umney, Ltd.
Zimmerman, Chas., & Co.

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Plantin Bros.
Price's Patent Candle Co.
Stern Sonneborn Oil Co., Ltd

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Burgess, E.
Oldfield, Pattinson & Co.

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Darton, F., & Co.
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Standard Optical Co.

OPTICAL TUITION
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College of Optics
Spectacle Makers Company

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Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.

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Warrick Bros., Ltd.
Wright, Layman & Umney, Ltd

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Baiss Bros. & Stevenson, Ltd.
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Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Cupal, Ltd.
Curling, Geo., Wyman & Co.
Davies, Sons & Co.
Evans Sons Lescher & Webb, Ltd
Goodall, Backhouse & Co.
Harker, C. R., Stagg & Morgan
Lofthouse & Saltmer, Ltd.
Lorimer-Marshall, Ltd.
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Oldfield, Pattinson & Co.
Potter & Clarke, Ltd
Sangers
Shirley Bros., Ltd.
Standard Tablet & Pill Co., Ltd.
Toogood, W., Ltd.

PALATINOIDS
Oppenheimer, Son & Co., Ltd.

PAPER HANDKERCHIEFS
Powell, J. T., & Co.

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Burgoyne, Burbidges & Co.
Price's Patent Candle Co., Ltd.
Schliemann's Oil & Ceresine Co
Stern Sonneborn Oil Co., Ltd.

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Asche, C. E., & Co.
Blyton, Astley & Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb, Ltd
Guest, Thos., & Co.
Kerfoot, Thomas, & Co.
Warrick Bros., Ltd.

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Raworth, John E.

PELLETS
Blyton, Astley & Co.

PEPPERMINT OIL
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Jakson, John, & Co.
Ransom, W., & Son, Ltd.

PERFUME MATERIALS
Boehringer, C. F., & Soehne
Bonaventura, F., & Co
Bush, W. J., & Co., Ltd.
Givaudan, L.
Kerfoot, T., & Co.
Luedere, George, & Co.
Naef, M., & Co., Succrs.
Schimmel & Co
Wright, Layman & Umney, Ltd.
Zimmerman, Chas., & Co

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Baiss Bros. & Stevenson, Ltd.
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Bush, W. J., & Co, Ltd.
Christy, T., & Co.
Erasmic Co., Ltd.
Evans Sons Lescher & Webb, Ltd
Fickus, Courtenay & Co.
Lescol Perfumery Co.
McCracken, J. & R.
Pazery, Richard
Potter & Clarke, Ltd.
Price's Co., Ltd.
Prichard & Constance, Ltd.
Quelch, H. C., & Co.
Rayaud, Olande, & Cie
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ltd.
Vinolia Co., Ltd.
Warrick Bros., Ltd.
West, T. & Son

PERLES
Tye, John, & Son

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Rendell, W. J.

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Kidston, W. M., & Co.
Stern Sonneborn Oil Co., Ltd.

PHOSPHORUS AND PREPS.
May & Baker, Ltd.

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Boehringer, C. F., & Soehne
Johnson & Sons (Mfg.Chts.),Ltd.

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Butcher, W., & Sons, Ltd.
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PHOTO. POSTCARDS, ETC.
Rajar, Ltd.

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Cox, A. H., & Co., Ltd.
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Lloyd, H., & Co., Ltd.
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Standard Tablet & Pill Co,. Ltd.
Stohr, Dr. Franz, Ltd.
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Beiersdorf, P., & Co.
Berliner, Arthur
Blyton, Astley & Co.
Dalmas, A. de St., & Co.
Galen Manfg Co., Ltd.

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Lees, A., & Co.

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Burgess, E
Chemische Fabrik von Heyden
Christy, T., & Co.
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Compagnie Juvenileau
Corbyn, Stacey & Co., Ltd.
Crimson Cross Dispensary
Cupal, Ltd.
Daisy, Ltd.
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Duncan, Flockhart & Co.
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Faulding, F. H., & Co.
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Ichthyol Gesellschaft
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London Proprietary Co.
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Squire & Sons, Ltd.
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Thompson & Capper
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Tozer, Jas. V.
Tunbridge & Wright
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White, A. J., Ltd.
Wilcox, Joseau & Co.
Woodward, W., Ltd
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Solport Bros.

PUMPS
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Boehringer, C. F., & Soehne
Buchler & Co.
Corbyn, Stacey & Co., Ltd.
Howards & Sons, Ltd

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Buchler & Co.
Hopkin & Williams, Ltd.

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Maw, S., Son & Sons
Tompkins, J., Ltd.
Warne, W., & Co., Ltd.

RUBBER STAMPS
Richford, C. D.

SACCHARIN
Saccharin Corporation, Ltd.

SANTONIN
Merck, E.
Smith, B. A., & Co.

SAPONIN
Field, C. W.

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Tidman & Son, Ltd.

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Parke, Davis & Co.
Schimmel & Co.
Wilcox, Joseau & Co.

SHAMPOO POWDERS
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SHARES
McAdam & Tucknies

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Ruddock & Co.
Sangers

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SHOWCARDS
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Erasmic Co., Ltd.
Eucryl, Ltd.
Evans Sons Lescher & Webb, Ltd
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Fulford, C. E., Ltd.
Harrison, G. W.
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Lescol Perfumery Co.
McClinton's, Ltd.
Pears, A & F., Ltd.
Price's Patent Candle Co., Ltd.
Providol Company
Resinol Chemical Co.
Wright, Layman & Umney, Ltd

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Flugel & Co.

SODIUM BICARBONATE
Brunner, Mond & Co., Ltd.
Howards & Sons, Ltd
Mumford, G. S., & Sons

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Schutze, F., & Co., Ltd.

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Darton, F., & Co.
Maw, S., Son & Sons
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SPERMACETI
Price's Patent Candle Co., Ltd.

SPICES
Goodall, Backhouse & Co.

SPIRIT OF WINE
Burrough, J., Ltd.
Calder, James, & Co., Ltd
Preston's Liverpool Distillery

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Internl. Sponge Importers, Ltd

SPRAYS
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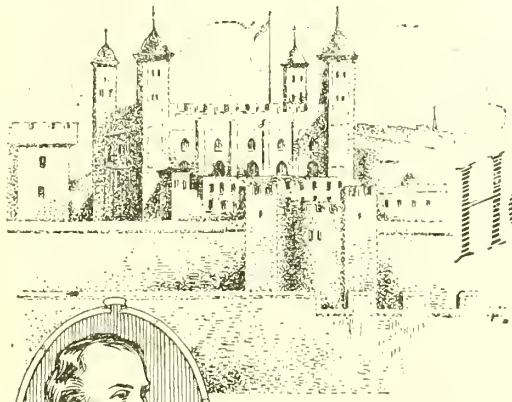

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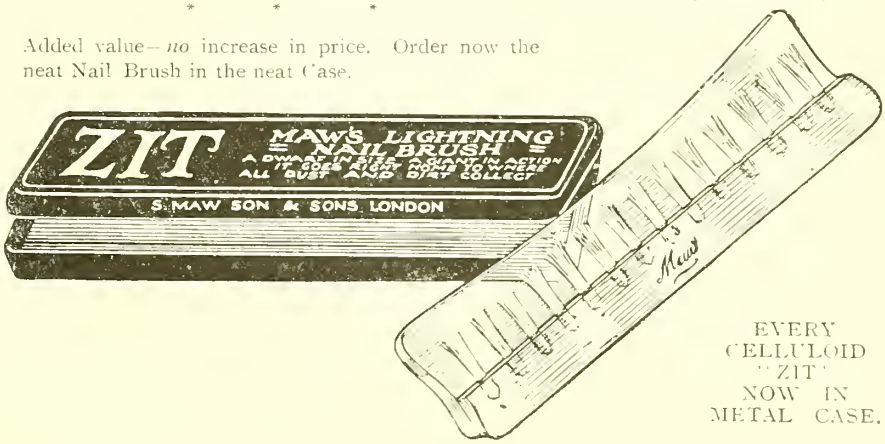

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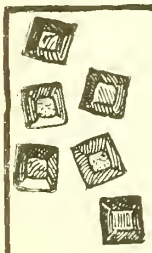

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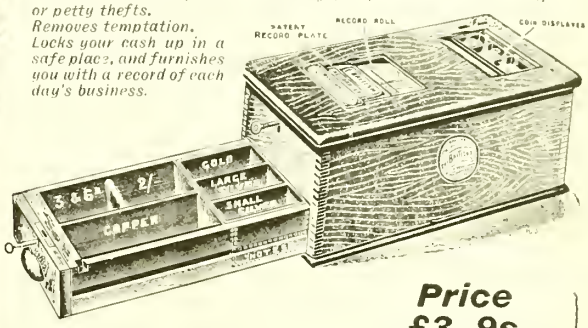

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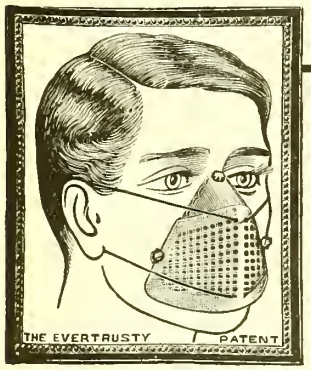

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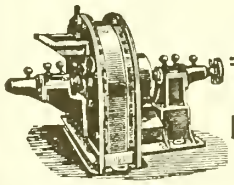

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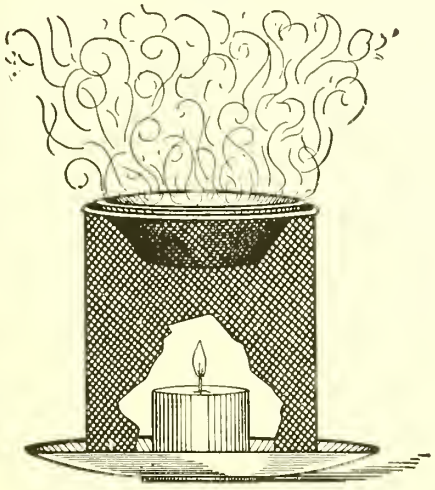

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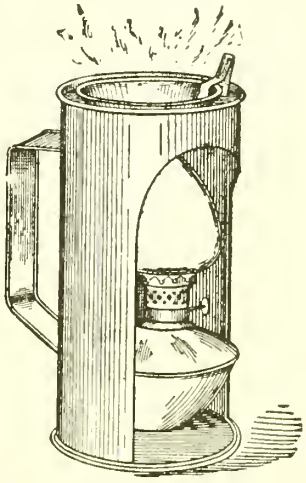

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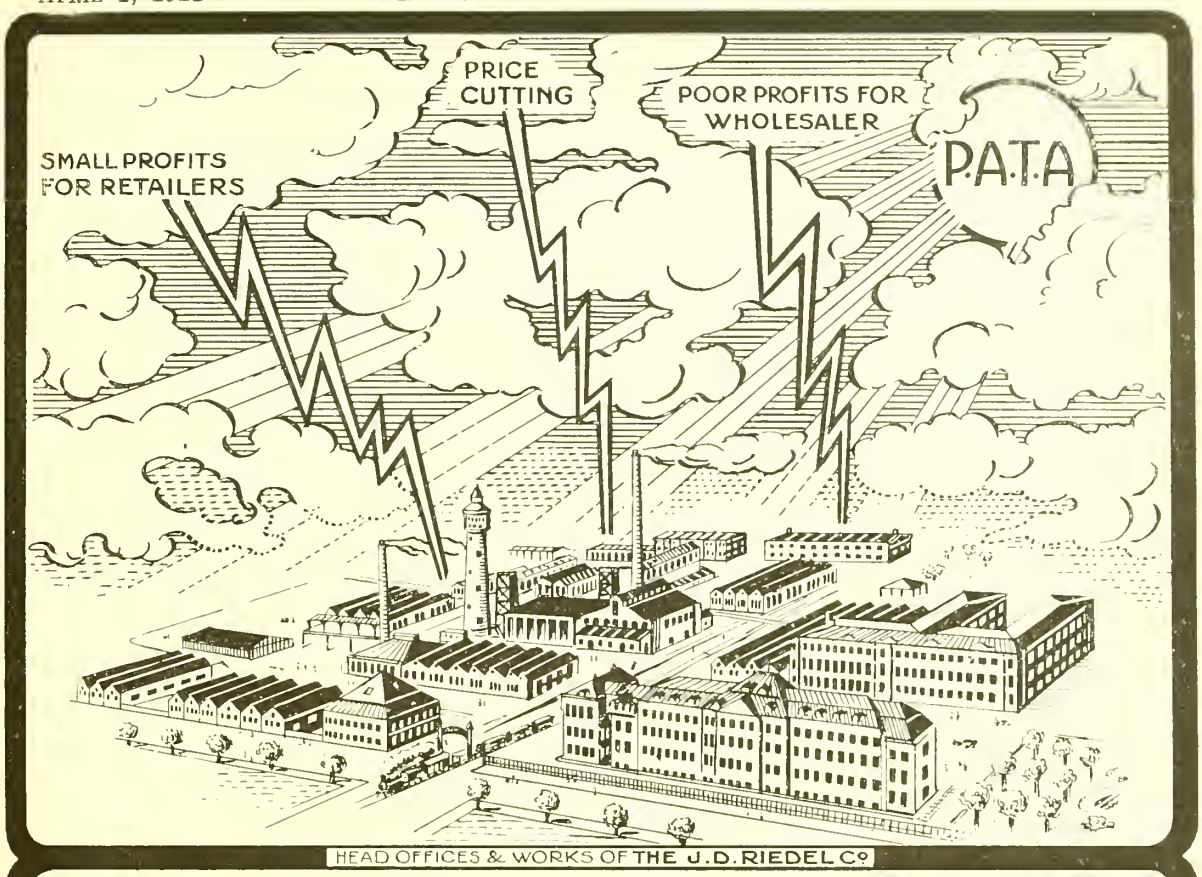
July 25, 1914.

ESTAB. 1859



HEAD OFFICES & WORKS OF THE J.D. RIEDEL Co

PLEASE NOTE THAT THE FOLLOWING PREPARATIONS OF OURS HAVE BEEN PLACED UNDER THE P.A.T.A.

APERITOL	GONOSAN	SALIPYRET
BORNYVAL	HEXALET	SCOPOMORPHINE
NEO-BORNYVAL	MERGAL	THIOL

THE PROFIT OF BOTH THE WHOLESALER AND RETAILER IS THUS GUARANTEED. MAY WE ASSIST YOU IN SELLING OUR PRODUCTS? PLEASE LET US SEND YOU OUR CATALOGUE: WE SHALL AT THE SAME TIME GIVE YOU AN IDEA HOW WE CAN BE OF SPECIAL SERVICE TO YOU.

THE J. D. RIEDEL CO.
13/14 WALBROOK LONDON, E.C.
BERLIN · MILAN · NEW YORK · ST PETERSBURG

1814 1914

"ERASMIC"
Window Display Competition.

MARCH 2 to JUNE 30, 1914.

Cash Prizes	1st Prize	£25 0 0
	2nd "	10 0 0
	3rd "	5 0 0
	10 Prizes of £1 each	10 0 0
	25 " 10/- "	12 10 0
		£62 10 0

THE above Competition has been inaugurated to run in conjunction with our series of "ERASMIC GIRL" Advertisements (full pages) now being issued to the leading Daily and Weekly Journals.

SPECIAL SHOWCARDS, WINDOW BILLS & PRICE TICKETS supplied with each Order.

PRICE LIST ON APPLICATION.

FULL PARTICULARS OF SPECIAL OFFER, apply :—

ERASMIC Perfumers WARRINGTON

March 2, 1914. Results published in "Chemist & Druggist," July 25, 1914.

CHUIT & NAEF & CO.

M. NAEF & CO.

(Successors)

GENEVA, Switzerland.

WORLD - RENOWNED PERFUMERS are now using our leading Specialties in

Synthetic & Aromatic Chemicals

We cannot improve our qualities, *but* **You** can blend our ingredients and produce exquisite Perfumes.

Up-to-date Novelties for modern floral odours are

Cyclosia . . .	As indispensable as Jonone in modern perfume laboratories.
Lilafleur . . .	The most delightful and refreshing Lilac odours ever produced.
Fleur de Muguet	Very finest perfume of the Lily of the Valley.
Rose Orient . .	The best substitute existing for the costly Bulgarian Otto of Roses.
Rose Provencale	Yields the typical odour of the natural Rose Oils as produced in the South of France.

Samples and Price Lists sent on application.

AGENTS:

E. N. FRANKENSTEIN & CO., Ropemaker Street, Finsbury, LONDON, E.C.
A. BEROU - - - 11 Rue du Perche, PARIS 3e Arrt.
UNGERER & CO. (Inc.) - - 273 Pearl Street, NEW YORK.
THE MEIJI TRADING CO. - - TOKYO & OSAKA, JAPAN.

We have a greater output and we can give you better prices and more convenient packings in

POWDER PAPER, NAIL POLISHING PAPER, NAIL POLISHING STONES

than any German Firm.

Please ask for prices and samples—

PHARMAZEUTISCHE INDUSTRIE-GESELLSCHAFT, OFFENBACH-AM-MAIN.

Sole Agent for the United Kingdom :—

FRANK A. CONDUIT, Sutton House, 2 Old Street, E.C.

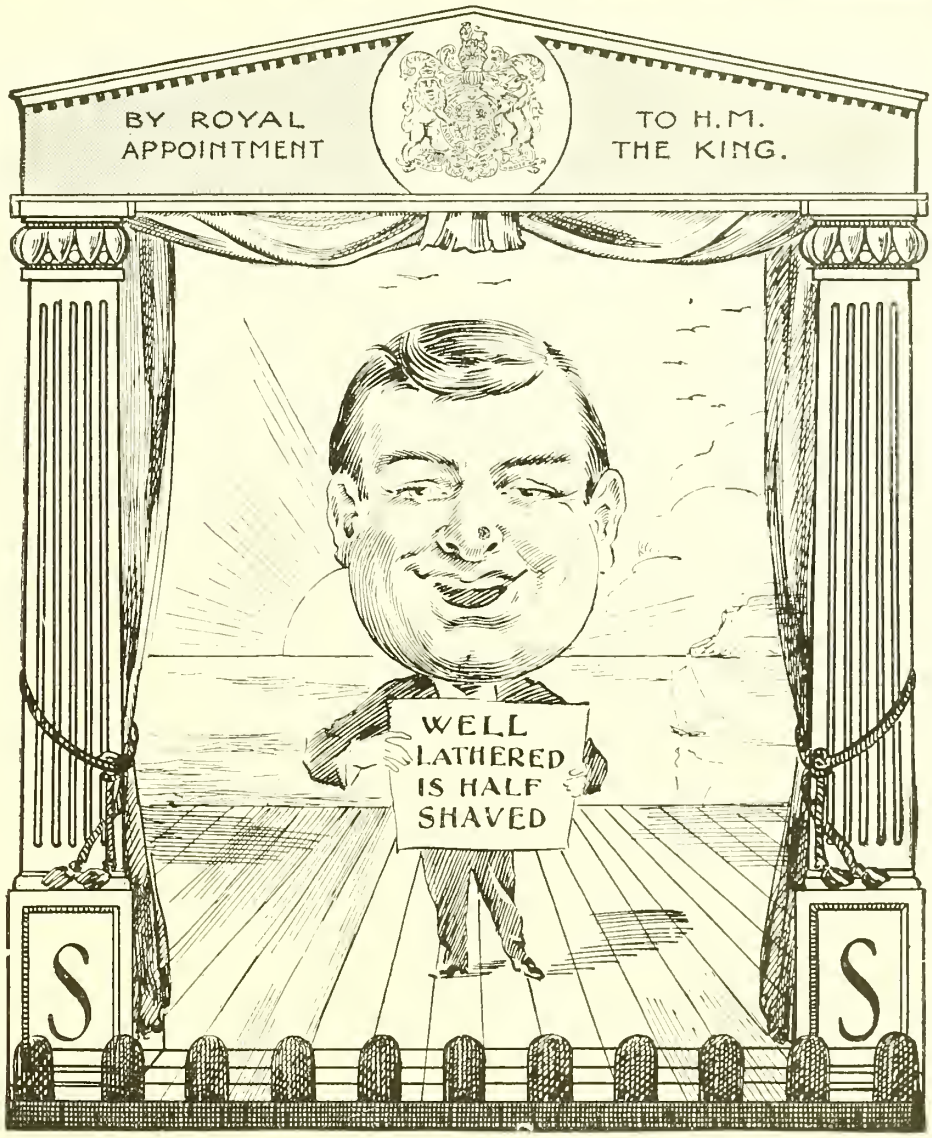
(1)

A Remarkable Hair Tonic

It is evident by the large number of testimonials received by Messrs. STEELE & MARSH, Chemists, 6 Milsom Street, Bath, that their New Hair Tonic "Tritonique" "really does make Hair grow," besides being "the finest dressing imaginable."

Over 5,000 testimonials in less than three years and nearly 40,000 users.

Agents are wanted in towns ***not yet represented,*** and a list of those towns that are will be sent on application. Liberal terms to Agents who will assist in promoting sales.



You feel like singing after a luxurious "SOLACE" shave.

"SOLACE" is the Antiseptic, Solidified Cream Shaving Stick—the stick with a lather, a lasting lather, a flat, silky, soothing, satisfying lather, and the retail price of 9d. makes it a popular quick-selling line.

The wholesale price is 5/- per dozen. Each stick in an aluminium case. 12 sticks in a fancy display outer for the counter. Four dozen lots are sent carriage paid, less $2\frac{1}{2}$% allowance on invoice, and a further $2\frac{1}{2}$% if prompt cash is paid.

Sole Makers—

Edward Cook & Co., Ltd., Bow, London, E.

SOAP MAKERS BY APPOINTMENT TO H. M. THE KING.

Seven Grands Prix in 1910 and 1911
at Turin (2), Brussels (2), London (2,) and Buenos Aires.

93 AWARDS

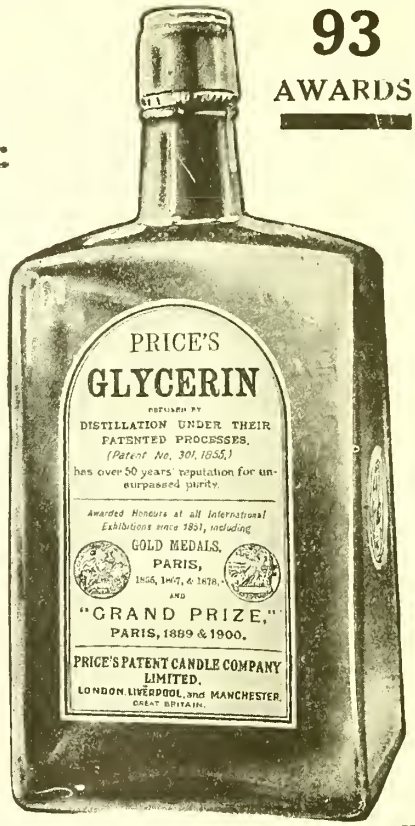
Guaranteed Chemically Pure.

Since its introduction in 1855

PRICE'S GLYCERIN

has maintained an unrivalled position, and can be confidently recommended on account of its reputation for unsurpassed purity and for the uniformity of its quality

PRICE'S PATENT CANDLE COMPANY LIMITED, London, Liverpool, Manchester.



There is a widespread demand for a Milled Soap specially prepared for use in the Bath!

PRICE'S

BATH BOUQUET

SOAP.

Large Circular Tablets.

8 Varieties.

Shows a good profit when retailed at $4\frac{1}{2}$D. per tablet.

PRICE'S

IMPERIAL BATH

SOAP.

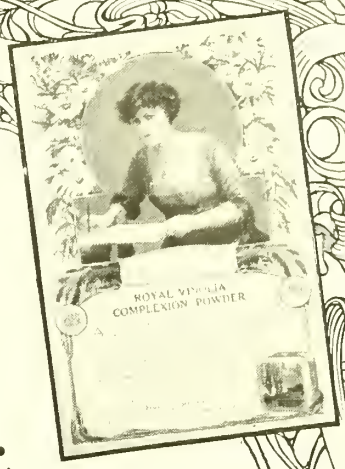
Circular Tablets. Standard Size.

6 Varieties.

Shows a good profit when retailed at $3\frac{1}{2}$D. per tablet.

Price List on application.

PRICE'S PATENT CANDLE COMPANY LIMITED,
BELMONT WORKS, BATTERSEA, LONDON, S.W.



ROYAL VINOLIA TOILET LUXURIES.

THE Vinolia system of protected profits, together with the superb quality of every article produced by us, makes the range of Vinolia Toilet Requisites one of the most profitable in the trade.

We are glad to know, from our steadily increasing trade, that our Chemist friends appreciate the fair and generous terms we offer. There can be no doubt that the strong scheme of general Advertising now in force all over the country, and of which some reduced examples are shown herewith, is stimulating public demand to the benefit of all concerned.

R.V. 166—29.

VINOLIA Co. LTD
BEBINGTON, NR BIRKENHEAD.

SUPPORT THOSE WHO SUPPORT YOU:

Distributors are therefore asked to support us in preference to NON-PROTECTED MAKES.

40% MINIMUM PROFIT

RECOMMEND

JOHN BOND'S "CRYSTAL PALACE" MARKING INK.

FIXED SELLING PRICES.

With or without heating, whichever kind is preferred.

Please specify when ordering.

As supplied to the Royal Households, and awarded forty-five Gold Medals, etc.

"THE ANTI-CUTTING RECORD" says:—"We are strongly of opinion that **John Bond's 'Crystal Palace' Marking Ink** should not only be kept in stock, but, in common fairness to the Proprietor, distributors may justly give this well-known line all the display, recommendation and push in their power."

N.B.—This is not a cut 6d. Marking Ink, sold at the Stores for 3½d.

A. MILLAR & CO., LTD., DUBLIN

PURE ORANGE WINE

(VINUM AURANTII, B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only)

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C

NO GLOSS

NO POLISH

In bottles, 6d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

On the P.A.T.A.

Write for terms, patterns, also leaflet of testimonials:

WHITAKER & CO. COLOUR WORKS, KENDAL, ENG.

London Depot: 60-62 CLERKENWELL ROAD, E.C.

Special Non-Inflammable Series for Export. *EST. 1878.*

Telegraphic Address: "Bullette Kendal" Telephone No. 214

'SEMREH'

THE LAST WORD

in Bottle Cappings. Air-tight, spirit-proof, easy to put on, self-fitting: the bottle's contents hermetically sealed.

Use 'SEMREH' HALF-CAPS for PERFUMERY

Full particulars on request.

The VISCOSE DEVELOPMENT CO., Ltd.,

Pembroke Road,

BROMLEY, KENT.

SELF-FIXING BOTTLE CAPS

THE JOHN DALE MFG. CO'Y.,

MANUFACTURERS OF

Collapsible Tubes, Scent Sprinklers

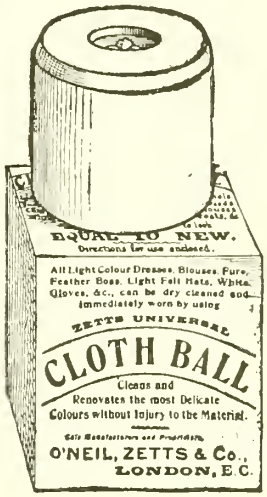
Decorated Tin Boxes & Canisters.

NEW SOUTHGATE, LONDON, N.

To CHEMISTS—BUY NOW AND GET BONUS.

THIS MONTH ONLY

TERMS DURING APRIL ONLY
Large 6d. size: 3/6 per doz., 39/- per gross } Assorted if desired.
Small 3d. size: 1/9 „ „ 19/6 „ „ }



14 Cloth Balls to the Dozen during April only

FOR **5s. 3d.**

We will send Carriage Paid 14—6d. and 14—1s. size } With Artistic Showcards.

Order at once through your *usual Wholesale House* on these terms or direct from—

Sole Manufacturers and Proprietors—

O'NEIL, ZETTS & CO.

'Phone—WALL 9810.
61 KING WILLIAM ST., LONDON, E.C.

Special Agents—BUTLER & CRISPE, 82 Clerkenwell Road, E.C.

Agents for Scotland—MUNRO, McLAREN & SUTHERLAND, 17 Cadogan Street, Glasgow.

PLATYPUS BRAND

OIL OF

EUCALYPTUS GLOBULUS

It is the **ONLY OIL** on the market upon which **POSITIVE RELIANCE** can be placed for absolute **CONSTANCY OF QUALITY**, and for that reason is well worth the extra price. Globulus Oil cannot be made at the same price as the common Australian Mallee Oil, as it produces less and the leaves are more difficult to obtain, but its medicinal value is much higher, and—**IT CONTAINS NO IRRITANTS.**

PRICES IN BULK.

1 lb.	2 6	per lb.
5 lb.	2 4	„
10 lb.	2 3	„
28 lb.	2 2	„
56 lb.	2.-	„

Packages free.

BOTTLED AND PACKED IN ELEGANT CARTONS.

On the P.A.T.A.	Per doz.	Minimum Retail Price.
2d. Sample, in box of 1 doz.	1 3	2d.
3d. Sample, in boxes of one doz. and 6 doz. outer	1 8	2½d.
4d. size in cartons and 1 doz. outer	2 4	3½d.
6d. size in cartons and 1 doz. outer	3 8	5½d.
1/- size in cartons and 1 doz. outer	7 4	11d

THE TASMANIAN EUCALYPTUS OIL CO., Ltd.
Asylum Road, London, S.E.

For the Season!

PINE TABLETS

IN MANY STYLES.

WE are now manufacturing these in very large quantities, and shall be pleased to quote fine prices to large buyers.

Attractive advertising matter with each order.

We also offer every description of

COMPRESSED TABLETS

as **FORMALIN (Plain or Flavoured), SACCHARINE, ACID ACETYL SALICYLIC, PHENACETIN & CAFFEIN, HYD. c CRETA,** &c. &c., both packed and in bulk.

PLEASE WRITE FOR SAMPLES & PRICES.

BROOK, PARKER & CO. LTD.,
Manufacturing Chemists,
Nelson Street, BRADFORD.

THERE'S PROFIT FOR YOU IN A MAIL ORDER BUSINESS AS PLANNED AND EXECUTED BY ME.

Have you tried this method of increasing your sales? I have sold many proprietaries by post. Investigate. Results are prompt, outlay small.

SEND NOW FOR FREE BOOKLET.

F. A. DEGEN, F.I.S.A.C.

(The Chemists' and Druggists' Ad. Expert),

c/o "The Chemist and Druggist," 42 Cannon Street, E.C.

Before insuring elsewhere against Fire, Accident, Burglary, Workmen's Compensation, Motor and Third Party Risks, and in short any contingency, consult the London and Midland, who rate every risk on its merits and give complete protection with absolute security. Established 1859. Write to-day with particulars of your requirements to the London and Midland Insurance Co., Ltd., Dept. "Q" 39, 40, 41, New Broad St., London, E.C. The Oldest Independent Fire Office.

OUR FORCEFUL CONVINCING ADVERTISING

of OIL *of*

ORILENE CAPSULES

the unequalled cure for Obesity, is being greatly increased each month.

Get your share of the extra business that this extensive advertising brings.

The public want these Capsules and it is bad business to send a customer to a rival shop for anything.

The profit on the Retail sale is worth having.

This article is neatly and attractively prepared.

Wholesale price per dozen boxes **27/-** (P.A.T.A. List).

Retail price per box **2/9.**

Write for Orilene Window Bills and Booklets for your counters.

We also sell Cazo Tablets, a splendid Laxative.

Wholesale price, per dozen boxes **10/6.**

Retail price per box **1/1½.**

SOLE MANUFACTURERS—

D. J. LITTLE CO., Evelyn House, 62 Oxford St., LONDON, W.

Ampoule Files

THE GREATEST PRODUCTION IN THE WORLD.

THE BEST. THE CHEAPEST.

Prices and Samples sent on application to—

SIM LTD., Morges, Switzerland.

NOTICE.

MILK EMULSION.

THE name "Milk Emulsion" is our Trade Mark for an Emulsion of Cod Liver Oil with Hypophosphites, and designates specifically that it is our preparation. Our Emulsion is known in commerce as "Milk Emulsion," and when "Milk Emulsion" is ordered, people expect to receive FAULDING'S MILK EMULSION. We hereby give notice that no other persons can use the same name on their labels, wrappers or advertisements without infringing our legal rights.

"Milk Emulsion" is sold in Bottles only, Wholesale, by—

F. H. FAULDING & CO.

34 Great Tower Street, London, E.C.
34 King William Street, Adelaide, South Australia.
341-3 Murray Street, Perth, Western Australia.
9 O'Connell Street, Sydney, New South Wales.

Corks for Chemists

NATIONAL INSURANCE CORKS.

6 & 8 oz., 1 in. long, at 4½d. per gross.
30 gross bag post free for 11/-

Free sample sent on application.

N. W. MITCHELL & SONS, Ltd.,
"Bouchon" Works,
Limehouse, London, E.

Please Try Our DISPENSING BOTTLES & PHIALS.

We send six gross assorted or otherwise, carriage paid, to any address in the United Kingdom. Smaller quantities not carriage paid.

REDUCED PRICES.

Clear Blue Tinted.—Good Quality.
3 & 4 — 6 & 8 — 12 — 16 ozs. Plain or graduated, round edges
8/- 9/- 13/- 18/- per gross.

Clear Blue Tinted. Best Quality. QUININE.
3 & 4 — 6 & 8 — 12 — 16 ozs. Plain or graduated, round edges
10/- 11/- 16/- 20/- per gross.

CHEAP BOTTLES for Dispensing.
3 & 4 — 6 — 8 ozs. Plain or graduated, round edges.
7/- 8/3 8/6 per gross.

WHITE PHIALS—GOOD QUALITY.
½ — 1 — 1½ — 2 ozs. Plain or teaspoons.
4/- 4/6 4/9 5/3 per gross.

I. ISAACS & CO.,

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.,
or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, E.C.

Orders sent to either establishment have attention.
Established 100 Years.

BEFORE
PLACING YOUR ORDERS FOR

PETRO. JELLY

Petrolatums, B.P., and Commercial Qualities, White, Cream, Yellow.

WRITE TO

Schliemann's Oil & Ceresine Co., Ltd.

Tel. No.: 5411 Avenue.
Tel. Add.—"Mannschlie."

London House, 3 New London St., E.C. (2)

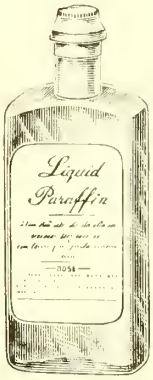
METHYLATED SPIRIT

Buy from one of the Oldest Houses in the Trade.
Write for Prices. **ESTABLISHED 1794.**

SAMUEL THORNLEY, Ltd., BIRMINGHAM

LIQUID PARAFFIN
FOR INTERNAL USE.

GUARANTEED B.P.



Packed in White Flint Flats, fitted with Toogood's Improved Aluminium Top Corks.

4 oz. ...	4/- per doz.	12 oz. ...	8/9 per doz.
6 oz. ...	4/10 ,,	16 oz. ...	11/- ,,
8 oz. ...	6/- ,,	20 oz. ...	15/- ,,
40 oz. ...	29/- per doz.		

In ½-gallon Tins, 3/- each; 1-gallon Tins, 5/6 each.

Customer's name free on orders of 3 dozen assorted.
SPECIAL PRICES FOR LARGE QUANTITIES.

WILLIAM TOOGOOD, Ltd., 77 Southwark St., LONDON, S.E.

Be Prepared

The Hot Weather is coming

The Largest . . . Producers of . . . Chemists' Printing **OFFER YOU** . . . . The Best Selection of . . . . Samples

for SPRING and SUMMER lines

In your own interest, apart from ours, let us send you specimens.

SUTTLEY & SILVERLOCK, Ltd.

Telephone: 3474 HOP 4 LINES. The World's Label Printers, Telegrams: "SILVERLOCK, LONDON."

BLACKFRIARS ROAD, LONDON, S.E.

Colton's Pharmaceutical Machinery.

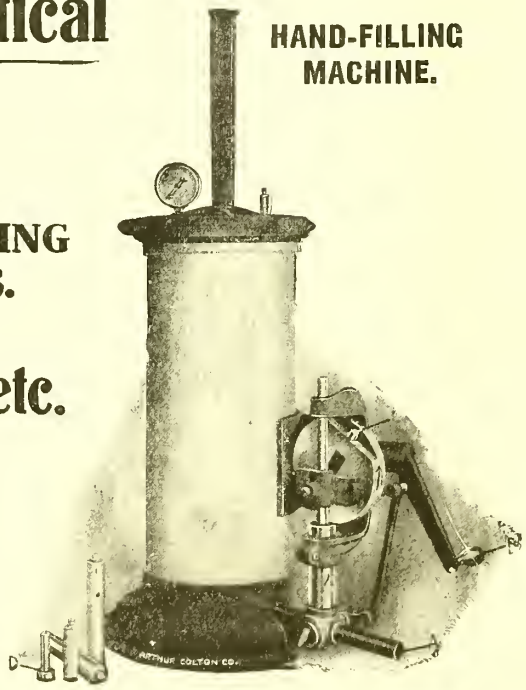
COLLAPSIBLE TUBE FILLING and CLOSING MACHINES.

TABLET & PILL PLANT, etc.

MACHINES CAN BE SEEN AT GRIFFIN'S SHOWROOMS.

LISTS FREE ON APPLICATION.

HAND-FILLING MACHINE.

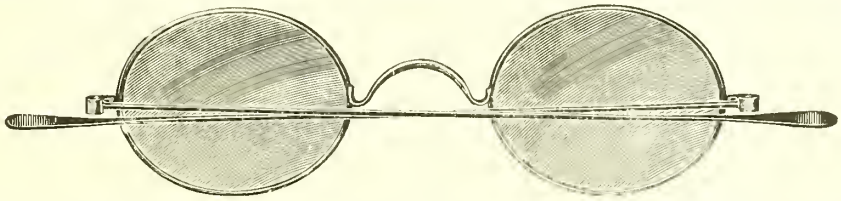


JOHN J. GRIFFIN & SONS, LTD., KINGSWAY, LONDON, W.C.

F. DARTON & CO. *Manufacturing :: Opticians ::*

142 ST. JOHN STREET & 52 Clerkenwell Road } LONDON, E.C.

Cyclist & Motorist Goggles & Eye Protectors



WE beg to call particular attention to the above and other forms of Spectacles and Eyeglasses made up in our Aluminia and hard nickel metals. As these materials are non-corrodible they do not rust or tarnish in a moist atmosphere, which is the disadvantage with those made of steel. The hardness is a great feature, differing in this respect only slightly less so than steel.

Collapsible Goggles.

Our stock of various patterns in the above, guaranteed London made and of the best materials and workmanship, is now ready. Prices are considerably lower than hitherto, which fact, combined with the high standard of quality, will lead to a heavy demand. We advise our clients to send at once for samples.

The following lists are available on receipt of Trade application :—**Ceneral Optical, Opera and Field Classes, Telescopes, &c., Barometers and Thermometers, Compasses, &c.**

PURE EGG **LECITHIN**

LECITHIN EX OVO

LECITHIN-ALBUMEN POWDER

For the manufacture of Tablets, Chemical Foods, Nerve Tonics, etc.

LECITHIN FOOD PREPARATIONS

Prepared with 2½%, 5%, or 10% of PURE Lecithin in bulk, or in boxes or cartons.

LECITHIN TABLETS, DRAGEES, PILLS or CHOCOLATE.

Prepared by Chemical Works "Victoria," Berlin, S.W.

Sole Agent for U.K.:

HUGO LORENZ, 7 & 8 Idol Lane, London, E.C.

Write for Pamphlets. Tel. Nos.: Avenue 5945; Central 12641.

£10 10s. ROME TOUR,

£18 18s. EXTENDED ITALY TOUR,

Visiting Genoa, Rome, Naples, Florence, Venice, and Milan.

£14 10s. RIVIERA TOUR,

Visiting Nice, Sta. Margherita.

£7 17s. 6d. SWISS TOUR,

Including a Return Ticket and 14 Days' Hotel Accommodation.

£5 5s. TOUR TO BELGIUM,

Including a Return Ticket and 14 Days' Hotel Accommodation, and 5 Excursions.

The Secretary, FREE CHURCH TOURING GUILD, 89 Memorial Hall, Farringdon St., London, E.C.

YOUR CUSTOMERS

will be delighted with

GARANTOL

THE BEST EGG PRESERVATIVE

¶ When they fully realise how much superior Garantol is to every other Preservative on the market, they will buy in increasing quantities. They will talk about it to their friends. And remember, every sale will produce future sales and future profits. In selling Garantol you are building up trade for the future.

¶ Garantol is in powder form, put up in packets and boxes. Dissolved in cold water it produces a preserving fluid in which Eggs will keep fresh and sweet for fully twelve months. Garantol-preserved Eggs will boil, fry or poach, just like new-laid. They look just like new-laid, too—the whites are pure, the yolks sound, the shells clean and hard.

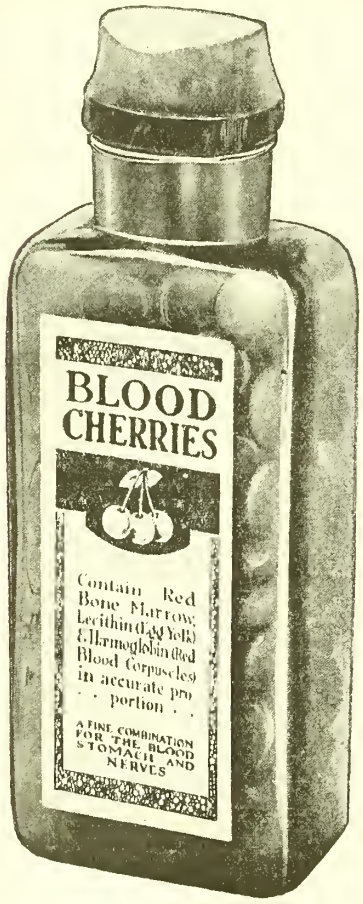
¶ The Egg-preserving season is almost here. Will you cater for your customer's satisfaction by stocking Garantol?

Write to-day—NOW—for full particulars. We will send you a free sample, too, if you ask.

SOLE AGENTS FOR THE U.K.

THE HOME YEAST CO. LTD.

47 St. Paul's Street, LEEDS.



THERE'S PLEASURE IN SELLING THIS LINE!

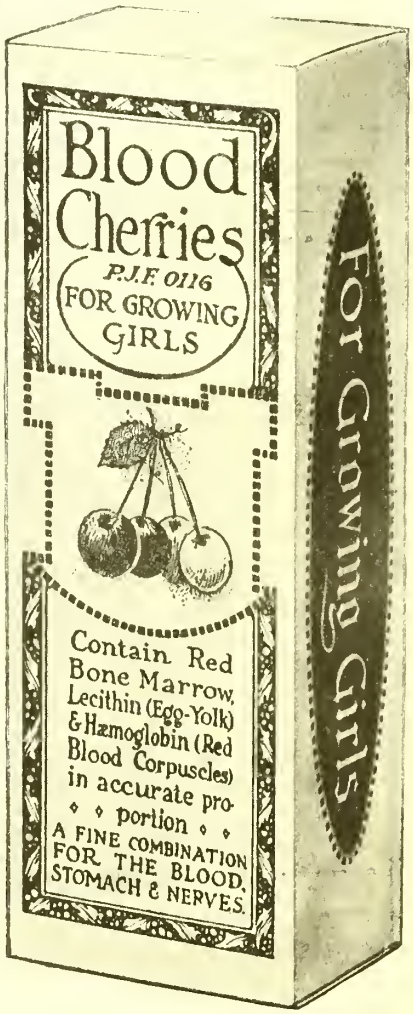
An outlay of 22/6 will result in 58/6 profit.

The formula is admittedly a good one.

The advertising matter is choice—and not extravagant in language.

The printing is in red and black ink—you'll be glad to have it in your window.

PRICE:
3 dozen @ 7/6 per dozen.



Retail at 2/3 per bottle.

W. B. CARTWRIGHT, LTD.
MAKERS OF PHARMACEUTICAL SPECIALITIES,
RAWDON,
NEAR LEEDS.

TEXTURÆ ANTIQUÆ, 16—SUMERIAN

Compound Menthol :: Snuff :: :: B.W. & Co.

IMPORTANT.—This Snuff is a product of high therapeutic value. It does have the effect which your customers desire of Menthol Snuff.

Supplied to the trade at **6/0** *per dozen boxes, subject. Complete dozens are packed in case's for counter or window displau*

Its ingredients are exceptionally pure and active, and are combined in suitable proportions in an impalpable powder. The neat, non-spill box is such as you would wish to carry in your own pocket.

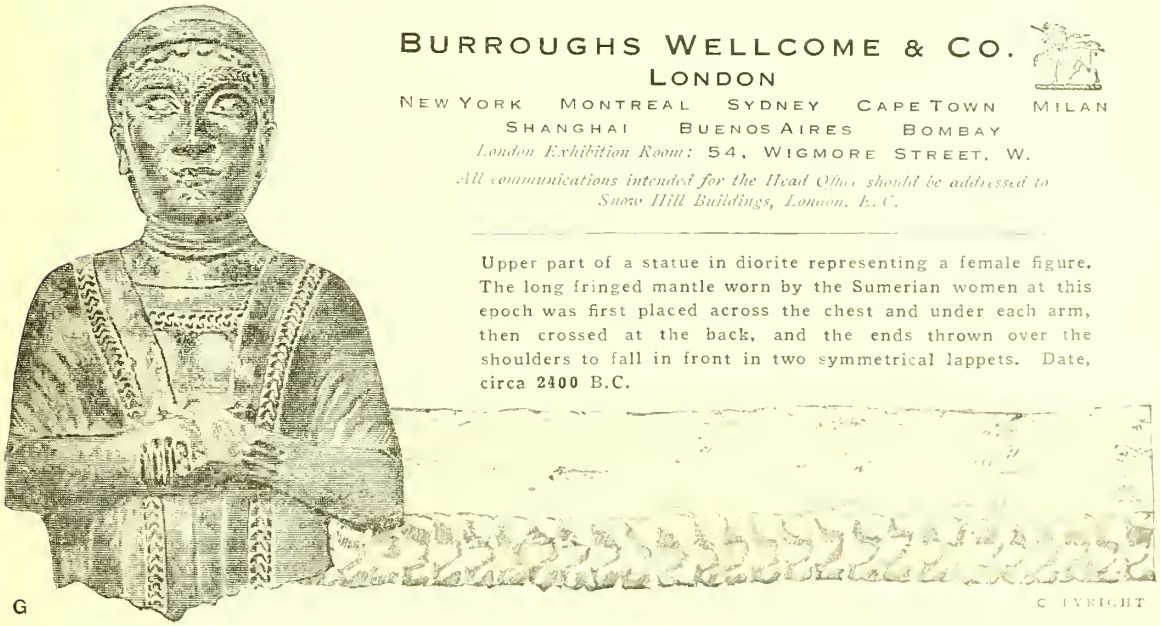
It is the Snuff which you can sell with perfect confidence and good profit. The demand is particularly good at this season, as you will find by displaying the product.

BURROUGHS WELLCOME & CO.
LONDON

NEW YORK MONTREAL SYDNEY CAPE TOWN MILAN
SHANGHAI BUENOS AIRES BOMBAY

London Exhibition Room: 54, WIGMORE STREET, W.

All communications intended for the Head Office should be addressed to Snow Hill Buildings, London, E.C.



Upper part of a statue in diorite representing a female figure. The long fringed mantle worn by the Sumerian women at this epoch was first placed across the chest and under each arm, then crossed at the back, and the ends thrown over the shoulders to fall in front in two symmetrical lappets. Date, circa 2400 B.C.

G

COPYRIGHT

"READY FOR RETAIL."

THE PHARMACIST'S B.D.H. REMEMBRANCER.

JELLAX

A pure hydrocarbon preparation with the appearance of raspberry jelly, and flavoured accordingly. Appealing irresistibly to the most fastidious of medicine takers.

An attractive form of petroleum for internal use.

Tastefully packed in 4-oz. square glass jars, with metal caps, and original labels in chocolate and green.

With Customer's Name and Address:

6/9 *per dozen.*

SWEET LAVENDER

DRY SHAMPOO POWDERS

The DESIGN has true artistic merit, and is carried out in rich violet and pale green colours, which cannot here be appreciated.

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In the Coloured Supplement.

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The Chemist and Druggist,
42 Cannon Street, London, E.C.

SUMMARY.

Subscribers are advised to read this column first.

Next Week.

To avoid our printers working on Good Friday, the *C. & D.* will be published a day earlier next week. Correspondents and reporters are requested to note this, and to send us their MSS., so that we may get them not later than the second post on Wednesday, April 8. We are compelled to hold over until next week a number of articles and reports which are in type, such as Professor Perkin's address to the Chemical Society on Tautomerism.

Chemists' Assistants Bill.

The text of this measure was agreed to by the Pharmaceutical Council on Wednesday, and was published on Thursday. It is printed on pp. 34-35.

The Bill is down for second reading in the House of Commons on Friday, April 3. It stands third on the Order of the Day, and our Parliamentary representative says it has no chance (p. 56).

The Bill was promised to legalise the position of Army dispensers and apothecaries' assistants, but the first thing it does is to penalise registered chemists for doing what they may at present lawfully do. We deal editorially with the first clause only, but there is enough in it for every chemist in the country to call "Halt!" particularly as compounding by unqualified shopkeepers is not touched! They may do what the registered chemist could not under the Bill (p. 48).

Articles and Communications.

The oak is figured and described in the Minor botany article on p. 34.

Chemist sub-postmasters have hard work and little profit out of it, says a correspondent (p. 67).

The Commissioners of Customs and Excise have revised the regulations for the use of stills free of duty. See p. 49.

The export department of the House of Maw has been extended, and an illustrated description of it is printed on p. 65.

Prescribing of proprietaries by panel doctors is discussed on both sides by correspondents (p. 68). The Panel Committee of Essex has issued a circular on the whole subject, so as to save the floating sixpence (p. 53).

News of the Week.

Another House of Commons discussion on discounting panel-chemists' bills is reported on p. 56.

The French Chamber of Deputies has raised the import duties on oils of neroli and petitgrain (p. 38).

The legal cases reported on pp. 39 and 40 include a conviction under the Medicine Stamp Acts for the sale of a dutiable ointment unstamped.

"The Optimist" is the name of the panel chemist who starts this week's Insurance dispensing reports, which show no diminution in interest or importance (p. 52).

An excellent series of dispensing difficulties is reported from the pen of Mr. Harold Wyatt (Bootle) on p. 51. Fifteen are given this week, and they deserve careful study.

The obituary columns are heavy this week, among the dead being Mr. A. Fowlie (O.F.S.), Mr. E. T. Stokoe (Suffolk), and Mr. Isaac W. Thomson (Edinburgh) (pp. 41-42).

The Colonial Secretary has intimated that the imperialising of the British Pharmacopœia, as suggested by Mr. John C. Umney, will be considered when the next edition is published (p. 39).

Sir Edward Grey informed the House of Commons on Thursday that until all other interested countries ratify the opium convention the Government does not consider it desirable to bind this country finally.

The Pharmaceutical Council this week selected a list of honorary and corresponding members for election next month. The list of Council candidates was announced; it contains the names of three candidates other than present councillors. The President made an announcement of policy in regard to the threatened discounting of chemists' accounts in certain districts (p. 45).

Trade and Market Matters.

The bulk of price-changes favours buyers, these including a decline in acetyl-salicylic acid, ammonia sulphate, lemon oil, lead compounds, and to a less extent in opium, cod-liver and camphor oils. Santonin and citric acid are dearer (p. 61)

B

Minor Botany.

Being the twelfth of a series of articles for pharmacy students which commenced on January 3, 1914.

THE British oak (*Quercus Robur*, Linné) of our open woods gains its name from being bound up with national traditions, its rugged grandeur, strength, and longevity being held as typical of the nation. In reality the plant is widely diffused over Europe and Northern Asia, being largely cultivated for its valuable wood and bark. Under favourable conditions the trunk branches freely and attains a magnificent size. The leaves are characteristic in shape (lyrate), with rounded lobes (sinuate margin). The flowers are borne in catkins, appearing in spring (April or May) along with the leaves, both male and female catkins being borne on the same tree (monœcious). The "male" catkin is a pendulous spike (see lower right-hand figure). Each "male" flower is borne in the axil of a bract and consists of an inconspicuous perianth of four to seven segments, enclosing a varying number of stamens (usually four to ten). A rudimentary ovary may be also present. The female catkin consists of two or three flowers only in a cluster (var. *sessiliflora*) or separated owing to being stalked (var. *pedunculata*).

Quercus Robur, Linné.

Each female flower is developed in the axil of a bract, and consists of an ovary surmounted by a trilobed stigma and surrounded by overlapping scales which afterwards develop into the well-known acorn cup. A perianth consisting of three to eight teeth develops from the top of the ovary (epigynous), so that the latter is inferior. As indicated by the trilobed stigma, the ovary is trilocular, each cavity containing two pendulous ovules. However, the ripe fruit (acorn) contains a single seed owing to the others being killed during the struggle for supremacy. This follows the principle of the survival of the fittest so frequently met with in nature. Oak-bark is valuable chiefly for the tannin which it contains, and its colour is due to an oxidation-product of tannin of uncertain composition termed phlobaphene. The galls found on oak twigs and leaves are due to the puncture of an insect, the irritation setting up an abnormal growth which removes the grub from the inner tissues of the plant. Continual stimulation by an irritant secreted by the larva appears to be necessary for the full development of the gall, as its growth stops if the larva dies. The Aleppo galls of commerce are derived from another species of oak (*Quercus infectoria*, Oliver).

The Exports of Asafetida from Bushire, Persian Gulf during the year 1912-13 amounted to 409 cases (about 30 tons), all of which came to London.

A New Leonardo da Vinci.—The Paris correspondent of the "Secolo" states that M. Baudry, merchant, of Angoulême, announces that he is the possessor of an authentic picture by Leonardo da Vinci. The canvas, which is well preserved and truly a beautiful one, represnts a seated woman, in whose look there is an extraordinary likeness to the "Gioconda." Baudry got the picture from his sister-in-law, who bought it when the old pharmacy of a neighbouring district was sold by auction.

Chemists' Assistants Bill.

SUBJOINED is the text of Mr. W. S. Glyn-Jones's Bill as printed and published on Thursday, April 2. It was approved by the Pharmaceutical Council on the previous day. It is supported by Mr. Alden, Mr. Remnant, and Mr. Baird, and is divided into ten clauses, the titles of which are set forth by us as cross-headings:

A Bill to make provision with regard to the compounding of medical prescriptions by assistants to persons, firms, or bodies corporate entitled to carry on the business of a chemist and druggist.

Be it enacted by the King's most Excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal and Commons, in this Present Parliament assembled, and by the authority of the same, as follows:

1. Qualification of persons entituled to act as assistants to chemists in the compounding of medical prescriptions.

(1) From and after the first day of January one thousand nine hundred and sixteen, any person who, not being a duly registered chemist and druggist or registered under this Act, acts as assistant to a chemist in compounding any medicine prescribed by a duly qualified medical practitioner shall be guilty of an offence against this Act; provided that nothing in this section shall apply to the compounding of any medicine by—

(*a*) a duly qualified medical practitioner; or

(*b*) a person who is duly registered as an apprentice or student under the byelaws of the Pharmaceutical Society if it is shown to the satisfaction of the court that such compounding was performed under the direct supervision of a duly registered chemist and druggist.

(2) If any chemist employs or knowingly permits any person to act as his assistant in compounding medicine in contravention of subsection one of this section he shall be guilty of an offence against this Act.

2. Penalty for offences.

A person guilty of an offence against this Act shall be liable to a penalty of five pounds and the same may be sued for, recovered and dealt with, in the manner provided by the Pharmacy Act, 1852, with respect to penalties under that Act.

3. Extension of powers of Pharmaceutical Society to make byelaws.

The power of making byelaws conferred by section two of the Pharmacy Act, 1852, on the Council of the Pharmaceutical Society shall include the power of making byelaws for all or any of the following purposes:

(*a*) Regulating the conditions of registration under this Act:

(*b*) Regulating the mode and form in which the register under this Act is to be kept, the mode of its publication, and prescribing the conditions under which it may be inspected:

(*c*) Providing for periods of time and courses of study previous to examination and for the examination of persons desirous of being registered under this Act, for the conduct and standard of such examinations, and for the remuneration of examiners:

(*d*) Prescribing the fees payable for examination and registration, and an annual fee (which shall not exceed five shillings for each person) for keeping names on the register:

(*e*) Making any other provision which may be necessary for the due and proper carrying out of the provisions of this Act.

4. Provisions for existing assistants and military dispensers.

Any person who within one year from the date of the passing of this Act claims in writing delivered to the registrar to be registered under this Act shall be so registered without an examination on payment of such fee as may be prescribed by byelaws provided he produces evidence satisfactory to the registrar that at the date of the passing of this Act he was a qualified military dispenser, or a certified assistant to an apothecary under the Apothecaries Act, 1815, or had been for a period of not less than three years immediately preceding that date actually engaged and employed by a duly qualified medical practitioner or by a chemist as an assistant in compounding medicine.

5. Registration of certain persons without examination.

A qualified military dispenser or a certified assistant to an apothecary under the Apothecaries Act, 1815, shall be entitled upon payment of the prescribed fee to be registered under this Act without examination if he produces evidence satisfactory to the Council of the Pharmaceutical Society that he is a person of sufficient skill and experience in compounding medicines to be so registered.

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6. Register of qualified compounders.

(1) The registrar appointed under the Pharmacy Act, 1852, shall be registrar for the purposes of this Act.

(2) It shall be the duty of the registrar to keep a correct register in accordance with byelaws under this Act of all persons duly registered under this Act.

(3) Any person thinking himself aggrieved by a refusal of the registrar to register him under this Act may appeal to the Council of the Pharmaceutical Society and the decision of the Council shall be final.

7. Removal from register.

The Privy Council may direct the name of any person who is convicted of an offence against this Act which, in their opinion, renders him unfit to be on the register under this Act, or the register under the Pharmacy Acts, 1852 and 1868, to be removed from such register, and the registrar shall remove the same accordingly.

8. Definitions.

In this Act, unless the context otherwise requires, the expression "chemist" means any person, firm, partnership, or body corporate entitled to carry on the business of a chemist or druggist under the provisions of the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908.

The expression "qualified military dispenser" means a person who has passed the examination for the time being prescribed by the military authorities qualifying him to act as a dispenser in a military hospital.

9. Extent of Act.

This Act shall not apply to Ireland.

10. Short title.

This Act may be cited as the Assistants to Chemists (Qualification) Act, 1914.

BUSINESS CHANGES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

Mr. H. Thompson has opened a drug-store at 153 Fernley Road, Streatham, London, S.W.

Messrs. T. C. Roberts & Co. are opening a drug-store at 92 Mitcham Lane, Streatham, London, S.W.

Mr. C. Pashley, chemist, is opening a dispensary for Insurance prescriptions at 49 Queen's Road, Peckham, London, S.E.

Messrs. Hart & Co., chemists, Sadler Gate, Derby, have now opened their new branch pharmacy at 38 Corn Market, Derby.

Mr. J. Macintosh, pharmacist, has purchased the business of the late Mr. J. Brown, Ph.C., at 106 Queen's Road, Peckham, London, S.E.

Boots, Ltd., have acquired premises at No. 18 St. James's Street, Brighton, situated next door to their present establishment in that thoroughfare.

The Saccharin Corporation, Ltd., will transfer their business on April 9 from 10 Arthur Street to 36 and 37 Queen Street, Cheapside, London, E.C.

Mr. Ethelbert Smyth, pharmacist, has disposed of his business at 37 St. Leonards Road, Bexhill-on-Sea, to Mr. W. E. Scholefield, chemist, late of Swadlincote.

Mr. Victor J. Woolls, chemist, Margate, has taken additional premises adjoining his pharmacy at 16 Cecil Square, Margate, making it one of the finest on the South Coast.

Messrs. Hankinsons, Ltd., of Ilford, Manor Park, and Seven Kings, have purchased the business carried on as the Carlyle Drug-stores, 815 Romford Road, Manor Park, London, E.

Mr. Haworth Roberts, Ph.C., has given up his business at 8 Market Street, Hyde, and purchased that of Mr. J. W. Hardman, chemist and druggist, at 9 St. Andrew's Road South, St. Annes-on-Sea.

Messrs. J. Wellesley Douglas, Ltd., Crane & Co., of Lambeth Walk, S.E., and Mr. H. A. Wigginton, Kennington Cross, S.E., have opened jointly an Insurance dispensary at 180 Upper Kennington Lane, London, S.E.

Boots, Ltd., have taken additional premises in the Leysian Mission Buildings, City Road, London, a few doors south of their present premises, and will move into them as soon as the alterations are completed.

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

At the installation of the Walthamstow Lodge of Freemasons, No. 2472, held at the Great Eastern Hotel, London, E.C., on March 28, Bro. Charles H. Moon (of Messrs. Frederick Stearns & Co.) was appointed I.G. for the ensuing year.

A majority of chemists at Ashton-under-Lyne, being desirous of earlier evening closing of shops, have presented a petition to the Corporation's Health Committee asking for a compulsory order fixing hours of closing. The Health Committee decided to take no action in the matter, as having no power to do so owing to chemists being exempted from Section 5 of the Shops Act.

At the opening of the new premises of the Church Army Medical Mission for Women and Children, Marylebone, London, N.W., by the Princess Royal on March 24, it was stated that the average earnings of the families treated were less than 25*s.* per week. Treatment was not free, a charge of 2*d.* being made for each visit to the doctor, and 1*d.* for medicine, and yet many more applications for treatment were received than could possibly be dealt with.

The proposed Shops Act closing order of the London County Council includes a self-contained area, with Brixton as centre, and including Camberwell, in which Wednesday will be the half-holiday instead of Thursday as elsewhere in London. Camberwell tradesmen have hitherto closed on Thursdays, and the Camberwell Borough Council propose taking a ballot to ascertain traders' views. It is stated that there is strong objection locally to changing early-closing day.

At the last meeting of the Retford Traders' Association, Mr. H. G. Hind moved that a memorial be presented to the Town Council asking them to refrain from building an isolation hospital at the present time, as it would advance the rates to such a degree that they would become oppressive and unbearable. Councillor Hollely, Ph.C. and ex-Mayor, pointed out that it was suggested that the Rural Council should contribute 450*l.* per annum and that the Gas Committee was in a position to contribute 500*l.* per year, so they would have sufficient money to cover the scheme, if carried out. Mr. Hind's motion was defeated. At the next meeting of the Town Council, Councillor Hollely, as Chairman of the Hospital Committee, supported the adjournment for a month of the isolation hospital scheme, in order that the Traders' Association might put their views before the Committee. This was agreed to.

Sale of Food and Drugs Acts.

All the drug-samples submitted to the St. Albans analyst last year were genuine.

The Kensington analyst certified recently that two samples of "milk of sulphur" consisted entirely of sulphur, having the characters of powdered sulphur and not of milk of sulphur. The Public Health Committee of the Borough Council communicated with the vendors, pointing out that in their opinion the sale of ordinary powdered sulphur for milk of sulphur is a serious offence, and asking for any observations they might wish to offer. Explanations had been received that there had been an inadvertence, and the Committee did not deem it necessary to take any further action.

Easter Holidays.

The following are arrangements for Easter of London business-houses additional to those announced last week:

Closed from the evening of April 9 to the morning of April 14.

Boulton Macro, Ltd., Crayford Mills, Stratford.

The Offices of The Chemist and Druggist, 42 Cannon Street, London, E.C.

Guardians' Doings.

Mr. E. Cardwell, Ph.C., has been appointed dispenser at the Reading Parish Infirmary. The appointment has been sanctioned by the Local Government Board.

The Portsmouth Guardians, subject to the sanction of the Local Government Board, have agreed to subscribe the last 100*l.* towards the 2,000*l.* being raised by public subscription for the purchase of radium, providing arrangements are made whereby it will be available for any person under the care of the Board.

Birmingham Notes.

In a chatty note on Sir James Sawyer's recovery from his recent illness the "Mail" of Saturday last said that this eminent physician has at his house at Haseley, near Warwick, a garden devoted exclusively to the cultivation of English medicinal plants. For many years he has made the garden one of his chief hobbies, and to-day it is regarded as the most perfect example of its kind.

At a meeting of the Birmingham Chemists' Athletic Club, held at the Grand Hotel on March 25, it was decided that the ground at King's Heath be taken for the season. It is an excellent field quite close to the tramway route, and contains a cricket-pitch, two tennis-courts, and a bowling-green. A good list of cricket fixtures has been arranged, and the committee extend a hearty invitation to all chemists, their assistants and apprentices to become members. Tea will be provided on the ground at a small charge. A "social" is shortly to be held, of which further notice will be given.

Liverpool Notes.

Rexallites from all quarters in this neighbourhood dined at the Exchange Hotel on Tuesday evening.

Professor Greenish, who was in Liverpool on the pepper case on Wednesday, March 18, was present at the evening meeting of the Liverpool Chemists' Association.

A local Pharmaceutical Parliamentary Fund has been started, Mr. D. H. Evans, 148 Lodge Lane, being appointed Treasurer, and to him contributions should be sent.

The Drug Fund for the first Insurance financial year comes to 1*s.* 9½*d.* per insured person. This leaves 2½*d.* out of the "floating sixpence" for the doctors in the Liverpool area.

It has been decided that, to ensure uniformity, chemists' shops outside the central area shall close for the Easter holidays as follows:

Open all day Wednesday, April 8.
Close all day Good Friday, April 10.
Close all day Easter Monday, April 13.
Open all day Wednesday, April 15.

Local wholesale houses have decided to take the odd halfpence on "patents," instead of "give and take," as hitherto. This is on account of increase of wages and increased cost in materials and packing, etc., so that it is impossible to split up packages into one-twelfth and one-sixth dozens without a little extra remuneration. They state the trouble could be got over if chemists would order complete dozens or half-dozens. Retailers are rebelling.

Mr. Henry Peet, M.A., J.P., chemist, Ranelagh Place, was one of the witnesses in the Paspati case. He testified that he had known Mr. and Mrs. Paspati for two years in business. Mr. Peet has had considerable experience in lunacy matters, and has held inquiries in regard to them, and has made more orders than perhaps all the magistrates in Liverpool put together. Until the proceedings started it had never occurred to him that Mr. Paspati was mentally defective. Mr. Peet has completed the MS. of the second volume of "Liverpool Vestry Records."

Manchester Notes.

Messrs. C. Midgley & Co., Ltd., chemists, late of St. Ann Square, have now removed to their new premises at 4 Exchange Street, Manchester. The new pharmacy is beautifully fitted in modern style.

A large number of chemists in Manchester and suburbs are making special shows of bismuthised magnesia, offering free samples of the preparation to all and sundry. It would seem as if everybody must be suffering from digestive troubles, judging by the hundreds of samples being distributed.

The mild weather of the last few days has given an impetus to the sale of spring medicines such as sulphur tablets. One chemist who shows the old-fashioned way of sulphur medication (brimstone and treacle) and the new way (sulphur and lime-juice tablets) is doing a "roaring" business.

Easter eggs (of soap) are being shown more prominently than usual. Many chemists have tastefully decorated window-displays, these including Blain & Hankinson, chemists, 69 Market Street, and Mr. Harry Kemp, pharmacist, Chorlton-cum-Hardy. Mr. J. Cleworth, 56 Ducie Street, Greenheys, is giving to every customer spending 6*d.* a soap egg (guaranteed "perfectly fresh and sound") as an Easter gift, this being a special offer for a few days only.

Mr. Wm. Kirkby, M.Sc., F.C.S., etc., Vice-President of the Manchester Pharmaceutical Association, has been elected President of the Heaton Chapel Literary and Philosophical Society, which is regarded locally as the most successful literary society in the country. The average attendance is 600, and the membership is limited to 800, as the hall cannot accommodate more. The meetings are of a high standard, the most famous lecturers in the country being engaged.

Shopkeepers carrying on business in Stretford Road have, acting on the advice of an expert of the National Cash-register Co., Ltd., London, organised a very successful shopping week carnival. It was supported by the Lord Mayor of Manchester (Alderman McCabe, J.P.) and the Lady Mayoress. The Lord Mayor, in his opening remarks, said that signal instances show that traders from small beginnings had risen to great wealth by advertising, and he believed the best course for the Stretford Road traders was the advertisement of their road as a shopping centre. At the request of the Tradesmen's Association a window-display expert was sent up by the National Cash-register Co. to assist in judging the competitive window-displays. The most notable display in the chemist's class was that of Mr. W. H. Delve, pharmacist, of 310 Stretford Road.

Fire at the chemical-works of Messrs. Hardman & Holden at Miles Platting caused great excitement locally on March 29. The damage is placed at 80,000*l.*, about one-half of the works, which cover seven acres, being affected. The outbreak commenced by an explosion in the washing-plant setting fire to a benzol-tank, the flames spreading with appalling rapidity to the tar-distilling apparatus, round which were tanks filled with various inflammable substances, mostly containing creosote oil. On reaching these the flames shot up to a tremendous height, and were deflected by the wind to the acid tower, which blazed furiously. The sulphuric acid in the latter, estimated to be worth 10,000*l.*, was emptied into the sewers. The fire brigade's efforts were confined to restricting the area of the conflagration, in which they succeeded.

Poisonings.

Four fatalities following the administration of poisons have been notified since our issue of last week. Reuben Pilsworth, labourer, died at Cambridge from the effects of some *Irritant Poison*. It appeared at the inquest that deceased felt "queer" after being given a drink of what was supposed to be rhubarb-wine from a store-room at King's College. The only poison kept in the room was spirit of salt. The inquest was adjourned for analysis of deceased's organs.—Arthur Cope, railway timekeeper, who suffered from insomnia, poisoned himself at Crewe.—Elizabeth Ann Gibbs (64), housekeeper, Southwark, and John Henry Lester (46), keysmith, Wolverhampton, committed suicide by taking *Spirit of Salt*.—At the inquest on Jessie Maud Frances Weinholt (37), St. John's Wood, London, who apparently died from an overdose of veronal, Dr. Freyberger stated that the result of his analysis of the stomach-contents was negative, but the veronal might have been taken and disappeared. Dr. Spilsbury said he could not account for

the death unless some such poison as *Veronal* had been taken. The jury returned a verdict of "Death by misadventure."

Radium, Atropine, and Hyoscine.

At the inquest at the Royal Infirmary, Preston, on March 28, as to the cause of death of Ellen Cookson (50), the wife of a local tradesman, it was stated that she had been under treatment with metal cylinders containing radium and mesothorium, inserted alternately into each ear and nostril. On March 13, Dr. Rayner, on endeavouring to withdraw the radium cylinder from the left nostril, found that it had disappeared, and the application of *x* rays disclosed it in the patient's stomach. It was feared that the cylinder would cause perforation of the bowels at the spot where it remained for seven days. An operation was performed to remove it. It was the regular practice at the hospital to give a hypodermic injection of atropine, morphine, and hyoscine before such an operation. Mrs. Cookson improved, but on Friday collapsed and died. At the Coroner's inquest the jury returned a verdict of death from misadventure owing to heart-failure and the effects of atropine and hyoscine.

From Various Courts.

At Epsom on March 23, Percy Nuthall, High Street, Epsom, was fined 1*s*., and costs, for selling cottonseed oil as olive oil.

A cinematograph theatre in which refreshments—*e.g.*, chocolate—are sold is a shop within the meaning of the Shops Act. So the Leeds Magistrate decided last week.

At the Sheffield City Police Court on March 30, Mr. J. T. Appleton, of South Road, Walkley, appeared in answer to a summons for obstruction. For the defence it was stated that the facts were not disputed. Mr. Appleton, who had an appointment on State Insurance business at the Thatched House Hotel, left his motor-car outside for a short time. The Bench decided not to convict, as the offence was only of a technical nature.

At Westminster Police Court on March 30, Benjamin W. Binns, commercial traveller and chemist, was again remanded on a charge of blackmail (*C. & D.*, March 28, p. 54). Four letters were read signed "E. Everett" which, it is alleged, were sent by accused. Counsel for the prosecutrix, described as Josephine Princess of Thurn and Taxis, said there would be evidence showing unmistakable similarities and characteristics in the letters received by the princess with others undoubtedly in the handwriting of the prisoner, one being an admission of indebtedness to a bookmaker of over 100*l*. Exactly similar notepaper was used in some instances. The prisoner was in a most impecunious position, and when arrested there was in his pocket a judgment summons for debt.

The Plymouth magistrates had again before them on March 30 Arthur Lewis (19), chemist's assistant, who now pleaded guilty of larceny. Mr. Elliott Square, who prosecuted on behalf of Messrs. Balkwill & Co., said accused was receiving good wages—45*s*. a week—and came to the firm on March 2 in consequence of the excellent testimonials produced by prisoner. He had been pilfering since then, and towards the end grew bolder, and on the day previous to his arrest sent the errand boy to his lodgings with a large parcel. Other articles had been found secreted in the shop. After the evidence the Bench sentenced accused to two months' imprisonment in the second division, and ordered that three guineas of the money found on him should be given to the prosecutors to reimburse them for the losses they had sustained, also to go towards the expenses they had incurred.

IRISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

The North Tipperary County Council has increased the salary of Sir Charles Cameron, analyst, to 15*l*. per annum.

Mr. Blake has been reappointed analyst of medicines to the Clogher Board of Guardians at a salary of 10*l*. per annum.

Messrs. Boileau & Boyd, Dublin, have been declared contractors for the supply of drugs to the Queen's County Infirmary; and Messrs. Fannin & Co., Dublin, for medical and surgical appliances.

Mr. Henry Boyers, Ph.C., F.C.S., Sligo, has been appointed contractor for drugs and appliances to the County Sligo Infirmary, to the County Fever Hospital, and to the Sligo and Leitrim Asylum.

Guardians' Doings.

The Local Government Board having intervened, the Navan Guardians have awarded the drug-contract to Messrs. Sumner & Co., Liverpool, whose tender was 25 per cent. off the standard list.

The following tenders for the supply of medicines and medical and surgical appliances have been accepted, in addition to those already published: *Shillelagh.*—Boileau & Boyd. *Cavan.*—Boileau & Boyd, for drugs (28¾ per cent.) and appliances (36¼ per cent.). *Lismore.*—Boileau & Boyd, for drugs (28 per cent.); Cork Chemical and Drug Co., for appliances (33¾ per cent.).

Drugs for Sanatorium Benefit.

The National Health Insurance Commissioners for Ireland have intimated to the Co. Kilkenny Insurance Committee the advisability of inviting tenders for the supply of drugs in connection with the domiciliary treatment of patients recommended for Sanatorium Benefit. The Clerk stated that the Committee at its last meeting appointed Mr. Stapleton, Ph.C., High Street, Kilkenny, as the drug-contractor for the city, and for supplying country patients the nearest chemist is to be appointed. Mr. Harrington suggested that local chemists be invited to give their prices for the supply of drugs. Eventually it was agreed to adhere to the present system of purchasing drugs, the prices to be checked by the medical officer.

SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Aberdeen.

Mr. William Watt has been appointed sub-postmaster at Chattan Place Post-office, Aberdeen, which is attached to the business that he has taken over there.

Dr. J. F. Tocher, F.I.C., public analyst for Aberdeenshire, in the course of his report for 1913, states that thirty-five samples of drugs were analysed, and three of these were deficient or adulterated—viz., two of camphorated oil, one containing only 17.14 per cent. of camphor. The third was a sample of cream of tartar containing 9 per cent. of bicarbonate of soda, due to some of the bicarbonate being placed in the cream-of-tartar drawer. The County Council, at the meeting on March 27, agreed with the committee on the subject that the Sale of Food and Drugs Acts are efficiently administered within the county, and that the continued reduction in the percentage of adulterated articles must be regarded as eminently satisfactory.

Dundee.

Under the name of the People's Pharmacy Mr. James Anderson, chemist and druggist, Commercial Street, Dundee, has reopened as a branch the shop at 4 Polepark Road recently occupied by Miss Macfarlane, and originally opened by the late Mr. Charles Kerr, Dundee.

The members of the Dundee and East of Scotland Pharmacists' Association spent a pleasant time at a whist-drive on Wednesday evening, March 25. Mr. C. Stephen presided, and Mr. J. Rutherford Hill gave a short address. The winners of the whist prizes were: Ladies—1, Miss E. Stevenson; 2, Miss Lindsay; 3, Miss L. Stevenson. Gentlemen—1, Mr. A. Y. Barrie; 2, Mr. R. Ferrier; 3, Mr. D. McMahon.

Edinburgh.

Complaints as to dogs being poisoned by malicious unknowns are again being reported in the Press.

A fire took place on Friday evening, March 27, at the factory of Messrs. J. & G. Cox, gelatin-manufacturers, Gorgie. Little damage was done.

Mr. George T. Ferrie, chemist and druggist, late of Kirkliston, Linlithgowshire, has taken over the old-established business in Canongate, formerly owned by the late Mr. James M. Lawrie.

Mr. J. A. Forret and Mr. W. S. Glass, pharmacists, Edinburgh, were speakers on the Shops Act at the annual meeting of the National Federation of Scottish Merchants' Associations, held in Edinburgh last week.

Great difficulty is experienced nowadays in procuring messengers. Whether it be that the payment in other callings is more alluring, or whether the pharmacy has lost its glamour for the Board School youth, the fact remains that no anxiety is apparent to accept the jobs that are freely offered in this sphere.

Many members of the Edinburgh Chemists' Golf Club were present at the opening match of the season, held over Duddingston Golf Course on Wednesday, March 25, and a most enjoyable afternoon was spent. The outing took the form of matches between sides drawn by the Captain and the Secretary (Mr. G. W. Mangan), and, after some close results, finished with a win for the Secretary's team by one match.

Glasgow and the West.

Mr. G. A. Mitchell, chemist and druggist, has disposed of the business at 350B Duke Street, Dennistown, Glasgow, to Mr. H. J. H. Saunders.

Mr. Thos. W. White, pharmacist, who represented W. Martindale in Scotland for seven years, has joined the business of Farquhar & White, Ltd., dental-supply merchants, 68 Gordon Street, Glasgow.

Mr. Christopher Edward Town, F.A.A. (Assistant Secretary of the London Chamber of Commerce and Secretary for Commercial Education) delivered a lecture on "The Road to Success in Advertising and Selling" in the Berkeley Hall, Glasgow, last week.

Business Changes.

Mr. Inglis, late of Moffat, has sold his pharmacy there to Mr. Mitchell, late of Huntly.

Mr. Burrell, Montrose, has disposed of his business to Mr. J. M. Murray, Falkirk, who in turn has sold his business to Mr. MacPhie, of Falkirk.

Mr. Cruickshank, for many years manager to Mrs. Fewtrell at Turriff, has purchased from Mr. Watt his business in that town.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

M. A. Jaboin, who died at Maule (Seine and Oise) last week, was one of the best known of Paris retail pharmacists, having been for some time Chairman of the Chambre Syndicale des Pharmaciens of the Department of the Seine. He also sat on the Council of French Export Trade, and was notable as the only Parisian retail pharmacist ever elected to a seat on the Conseil des Prud'hommes, the interesting mixed tribunals of masters and men which decide minor trade disputes in an economical and expeditive manner. M. Jaboin had kept open shop in Paris since 1896, his *officine* being situated at the corner of the rue de Miromesnil, not far from President Poincaré's official residence. He passed his youthful days in the laboratory of the late Professor Henri Moissan, and took his degree of Doctor in Pharmacy in 1900 with a "Contribution to the Study of Phosphides and Alkaline Earths." He had also contributed papers to the Paris Society of Pharmacy on the radioactivity of mineral waters and other subjects.

Oil of Neroli.—The proposal by M. Gillette Arimondy (who represents the Alpes-Maritimes district) for the increase of Customs duty on petitgrain and neroli oils came before the Chamber of Deputies for discussion on Wednesday, March 25. At present, under Article 112 of the Tariff, these products pay 100f. per 100 kilos. (say, 5*d*. per lb.). For the "most favoured nations" who profit by the minimum tariff, the rate is but 2½*d*. per lb. M. Gillette Arimondy proposed rates of 15,000f. and 10,000f. on neroli and 3,000f. and 2,500f. on petitgrain. M. Thierry said this was a case where a purely local industry was pleading for ultra-protection. France is especially an exporter of perfumes. When the export of an article exceeds the import, logic demands that the raw material should be admitted at moderate rates, to foster home industry and increase exports. Imported neroli and petitgrain are the cheap articles. He pleaded the necessity of "letting well alone." M. Gillette Arimondy, in reply, gave a little lecture on the production of these raw materials, producing phials and explaining their contents to an amused and interested house. He pointed out that when the Customs Tariff was drawn up in 1909, proper protection was not accorded to this interesting industry. While oils of rose, geranium, and of ylang-ylang were considered, the two products under discussion seem to have been overlooked. M. Louis Tissier and M. Thierry made brief interpolations in support of M. Gillette Arimondy's observations, which cited the resolution passed by the Chamber of Commerce of the Alpes-Maritimes, and concluded by expressing his conviction that his parliamentary colleagues would at least grant some increase. After some further debate the Chamber voted that neroli should pay 3,750f. per 100 kilos. on the general tariff (instead of 100f.) and 2,500 (instead of 50f.) on the minimum tariff, while petitgrain will pay 110f. and 55f. per 100 kilos. on the general and minimum tariffs respectively.

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of the seven Chemists' Societies in British South Africa.

Orange Free State.

Mr. D. K. Petersen, a director of Petersen, Ltd., was in town at the beginning of the second week of March on his way to Johannesburg.

The Monthly Meeting of the Pharmaceutical Society of the State was held at Vicker's Buildings, Bloemfontein, on March 10. Arising out of the minutes regarding the new draft Medical and Pharmacy Bill it was ascertained that this Bill, which has been pigeon-holed for so long, is not likely to come before the present Session of Parliament. The Minister for the Interior, while admitting the desirability for new legislation in this direction, cannot see his way to bring the Bill forward at the present time. This delay is regretted by chemists. The question of the importation of rectified spirit by chemists for manufacturing purposes was also considered. Things have not improved; it takes about two months to get permits and the spirit delivered. This delay is a serious handicap to manufacturing chemists in the Free State, as they have now to compete with the coast houses since the abolition of the inter-State duties. It was decided to draft a letter to the member of Parliament asking him to take this matter to the proper quarter and endeavour to get redress. A meeting of the P.A.T.A. Committee was also held, and it was decided to hold another meeting on March 17 to draw up a price-list for the Free State.

Transvaal.

Business is at a very low ebb on the Rand, and chemists, like others, are feeling the effects of the recent labour disturbances very keenly.

Business Change.—Mr. Anderson, late manager of Macaulay & Co., chemists, Cleveland, has purchased the business of Mr. W. Easterbrook, Troyville, Johannesburg. Mr. Easterbrook and his family are on their way to England.

Allen & Hanburys, Ltd., made a large display of surgical instruments in Johannesburg during the second week of March, and Mr. L. E. West reports that the exhibition was visited by a large number of the medical profession.

Personal.—Mr. Gerrish (Southall Bros. & Barclay), who was in Johannesburg in the first two weeks of March, then left the Rand for Cape Town.—Mr. J. W. Hull (Parke, Davis & Co.) was in Pretoria when the mail left.

Golf.—Mr. Main, manager of Messrs. Petersen, Ltd., Johannesburg, defeated Mr. Sanderson, after a drawn game, by one hole for the prize presented by Messrs. G. B. Kent & Sons, London, and the trophy given by Mr. Gerrish. This makes the third year in succession that Mr. Main has carried off the first prize. Mr. I. P. Jones secured the Novice Prize. Mr. Main is now on the way to England.

QUEENSLAND NEWS.

B.P. Revision.—At the meeting of the Pharmaceutical Society on February 19 the following copy of a despatch from the Secretary of State for the Colonies, received by the Governor, Sir Wm. McGregor, G.C.M.G., C.B., and forwarded through the Chief Secretary's office, was read :

Downing Street,
December 23, 1913.

Sir,—I have the honour to acknowledge the receipt of your despatch No. 76 of October 23 on the subject of the Revision of the British Pharmacopœia.

I have referred the letter from the Pharmaceutical Society of Queensland to the Lord President of the Council, and have now to request you to inform the Society that, prior to another revision of the Pharmacopœia being undertaken, their representations will be considered in connection with a general review of the whole position.

I have, etc.,
(Signed) L. Harcourt.

It is to be hoped that the long-sustained efforts of pharmacists to secure representation on the Committee of Revision of the Pharmacopœia will be advanced by the protests against the present medical monopoly by Australasian Pharmaceutical Societies.

Labelling Medicines.—At the meeting of the Pharmaceutical Society of Queensland on February 19 the decision of the Department of Public Health on labelling was announced as follows :

(*a*) Chemists must declare on the label all those potent drugs mentioned in the Regulations under the Health Act, 1900-11. This applies to proprietary medicines.

(*b*) The Department will admit of the declaration being printed in the prescribed type, in the form of a slip label, which must be attached to the package or bottle in a prominent position. It must be noted that under the Regulations this does not apply to a medicine prescribed by a chemist for a specific purpose.

(*c*) The Department requires that opium even in small quantities, such as would be present in a proprietary cough-mixture containing paregoric, must be declared on the label.

For the benefit of members, a digest of the labelling clauses is being prepared by the Secretary for distribution.

Health Act Administration.—At the last meeting of the Council of the Pharmaceutical Society of Queensland it was pointed out that in view of the probable increased stringency in the administration of the Health Act pharmacists should adopt precautionary measures in buying and selling drugs. It would be wise to purchase all drugs under a guarantee, as is done in England. It was decided to approach the Commissioner for Public Health with the object of ascertaining the views of the Department towards those drugs, like sweet spirit of nitre and spirit of sal volatile, which undergo rapid deterioration. In the sale of certain drugs it would be well for retailers to remember the conventional synonyms—*e.g.*, mercury ointment refers to unguentum hydrargyri, B.P., while the names "blue ointment" and "mercurial ointment" refer to the diluted form usually sold; magnesia is calcined magnesia, and not the carbonate which is so commonly sold. Chemists are cautioned against purchasing adulterated olive oil, Gregory's powder, liquorice and gentian powders. Camphorated oil is another substance which is commonly found deficient in camphor, and it would be wise to take reasonable precautions to avoid loss of camphor during manufacture.

LEGAL REPORTS.

Pharmacy Act, 1868.—At Salford County Court on March 25, at the instance of the Pharmaceutical Society, T. N. Clarke (Cadishead), Ltd., were fined 10*l.*, and costs, on two summonses taken under Section 15 (as provided by Section 3 of the Poisons and Pharmacy Act, 1908) for (1) keeping open shop for the sale of poisons without a registered chemist on the premises to superintend such sales, and (2) for using the title chemist without having a superintendent as required by Section 3. The offences were admitted, and the Registrar made an order for payment in instalments —2*l.* in three days, and thereafter 1*l.* every fortnight.

A Corner in Celery-seed.—In the course of the hearing of an action, Mutimer *v.* Turner, before Judge Cluer in the Shoreditch County Court on March 31, it was explained that the plaintiff sued for the recovery of 42*l.* 10*s.*, part of 55*l.* he had given the defendant to invest. The only interest of the case to our readers is that the plaintiff said he understood that there was a firm, Messrs. Vos, Kessler & Joensson, Ltd., medicinal-seed druggists, who were engaged in an operation for the cornering of the world's supply of celery-seed, owing to the discovery of a valuable drug in it. After a time they found there was more celery-seed in the world than they had dreamed of, so they wanted more money to go on with the matter. It was then decided to float the company, who were to lend Von Kessler's 5,000*l.* The return was to be the money in full and 100 per cent. profit—if the corner came off. The company was formed under the name Eastern Produce Syndicate, Ltd., with 1*l.* shares, and later as Eastern Supplies, Ltd., with 2*s.* shares.

Restrictive Agreement.—Mr. Justice Warrington, in the Chancery Division of the High Court on March 27, refused to grant an injunction in favour of B. Laporte, Ltd., chemical-manufacturers, Luton, against Mr. Percy Lester, Bristol, restraining him from committing a breach of an agreement made in 1907. By it Mr. Lester covenanted, for a period of three years from June 30, 1913, when he left the plaintiffs' service, not to carry on, directly or indirectly or in partnership with any other person, any business for the manufacture of chemical preparations similar to those of the plaintiffs, or to enter into the service of any person engaged in such a business within one hundred miles of Luton. The breach complained of was that he had entered the employment of a chemical-manufacturing firm at Bristol. His Lordship said that he was not satisfied that the agreement went no further than was reasonable for the protection of the plaintiffs' business, and the plaintiffs had not discharged the onus upon them.

Lead-sulphate Dispute.—In the City of London Court, before Judge Rentoul, K.C., on March 26 and 27, Oxide, Ltd., Cheam Road, Sutton, Surrey, claimed 45*l.* 13*s.* 9*d.* against Leo Eppenheim Levy & Co., metal-merchants, 31-35 Duke Street, St. Mary Axe, being repayment of sums which they had expended in respect of casks of lead sulphate delivered to one Stevens at Radcliffe Chemical-works, Radcliffe, near Manchester. For the defence, it was submitted that Stevens was liable to pay for the carriage and casks, and that the plaintiffs ought not to have paid, as they were not liable. To this the plaintiffs replied that the defendants undertook the liability. Judge Rentoul, after hearing both sides, said he had never before been in so much difficulty in deciding a case or getting at the facts as in that dispute. He wanted to avoid the chances of an appeal, as that would put the parties to further expense. He must find for the defendants, with costs. A stay of execution was granted with a view to an appeal.

Commission on Sealing-wax.—In the City of London Court, before Judge Rentoul, K.C., on March 26, a claim was made by Mr. William A. Shillan, Latchett Road, South Woodford, against Mr. J. F. Craddock, 72 Coleshill Street, Birmingham, to recover 94*l.* 8*s.* 4*d.* and expenses for obtaining orders for the defendant for sealing-wax from various chemists, oil-merchants, stationers, etc. Mr. Gervase Rentoul appeared for the plaintiff. Defendant wrote to the Court to say that nothing was owing to the plaintiff, and that plaintiff's representation of him had resulted in a loss. Therefore, he requested him to return all samples, etc. Plaintiff had been paid 10*l.*, which was more than he was entitled to. Plaintiff said he was engaged in 1909 to travel for the defendant for the sale of sealing-wax. Defendant was in a large way of business. He was to be paid 10 per cent. commission on some orders and 12½ per cent. on others, according to the quality of the wax sold. He obtained an order for 90,000 lb. of sealing-wax at 10*l.* 8*s.* 6*d.* a ton to be sent to South Africa. On that he was entitled to 5 per cent. commission. He also obtained an order for 9 tons of sealing-wax for the General Post Office at 16*l.* a ton, besides many other orders from oil-merchants, chemist and druggist companies, etc., which defendant had executed.

Defendant had paid him 9*l.* 5*s.* 4*d.*, and there was now 85*l.* 3*s.* due to him. Judge Rentoul, K.C., said he could not understand the defendant's letter, and he must disregard it, and give judgment for the plaintiff for 85*l.* 3*s.*, and costs.

Mineral-water Bottles.—A Bad Tender.—In the King's Bench Division Commercial Court on March 26 an action was concluded, before Mr. Justice Bailhache and a City of London special jury, in which Messrs. John Kilner & Sons, the Calder Glassworks, Wakefield, proceeded against Messrs. Grey & Menzies, mineral-water manufacturers, carrying on business at Auckland, New Zealand, to recover 332*l.* 18*s.* in respect to a third consignment under an order for 650 gross of "Codd's" mineral-water bottles supplied to the defendants. The defendants had refused to meet the draft for the third delivery, saying that the bottles were defective in regard to "stoppering," and the marbles in the neck were flat. This the plaintiffs denied, and it was said that if there was any defect it must have been in the rubber, due to "weathering." The defendants entered a counterclaim. The jury found that the first and second shipments of the bottles were merchantable, and with regard to the third consignment they found by a majority that the defendants were not entitled to any damages by reason of alleged inferior condition. Subsequently Mr. Schiller, K.C. (for the defendants), argued that as the plaintiffs had sent three gross more bottles than the actual order in the last consignment it was in law a bad tender, and plaintiffs could not succeed in their claim. Mr. Justice Bailhache said that with regret he had to give judgment on the claim for the defendants on this point, although it had no merit of any description and was entirely an after-thought. He had, however, to give effect to what he believed to be the law, and by that the plaintiffs' tender was not a good one. He entered judgment for the defendants upon the claim and for the plaintiffs on the counterclaim. He gave the plaintiffs the costs on all the issues of fact, and the costs of the counterclaim, and he gave the defendants the costs connected with the actual claim. Mr. Roche mentioned the case of Kilner & Sons, Wakefield, *v.* Grey & Menzies to Mr. Justice Scrutton, in the King's Bench Division, on March 30. A new point, he said, had arisen, and Mr. Justice Bailhache, who was away on holiday, would, he knew, like to have it laid before him. He asked that he might be given permission to go before Mr. Justice Bailhache again before his order was drawn up. Mr. Justice Scrutton explained that Mr. Justice Bailhache, as vacation judge, is now taking his holiday. The matter must be mentioned to him on the first available date on his return; in the meantime, the costs would be reserved.

A Safety-belt Limited Partnership.—In the City of London Court on March 30, before Judge Rentoul, K.C., under the equitable jurisdiction of the Court, an action was brought by Mr. Walker B. Blades, 111 Sutherland Road, West Croydon, against Mr. William G. Hinton, 52 Crouch Hill, and Mr. F. A. E. Fromherz, 4 Edmund Place, Aldersgate Street, lately carrying on business as the Conquest Safety Belt Co., to have an account taken in reference to a children's safety-belt patent. Mr. Emery appeared for the plaintiff and Mr. Thomas Carthew for the defendants. Mr. Emery said that the claim was made under an agreement dated October 4, 1912, between a man named Eidelberg and the plaintiff. Plaintiff invented a children's safety belt, and agreed to sell it to Eidelberg, who was to pay a royalty of 3*d.* per belt until 150*l.* had been paid, and to take the plaintiff into his employment for a year, six months at 2*l.* 5*s.* a week and 2*l.* 10*s.* for the remainder. The royalty was subsequently reduced to 1½*d.* per belt. Plaintiff was claiming a declaration of a vendor's lien on the patent until he was paid the purchase-money. Mr. Carthew said that the contract was entered into between the plaintiff and Eidelberg a long time before the defendants had anything to do with the business. Unless plaintiff could show novation, there was no privity of contract at all. If novation were established then defendants said that, being a limited partnership, they were protected against such an action as that, and it was upon the plaintiff to show that defendants had in connection with the management of the business committed acts inconsistent with the limited partnership. All that defendants did was under the express power of attorney of Eidelberg, who was now abroad. Mr. Emery said that a limited partner could not give a power of attorney to the defendants as Eidelberg had done, as there was no authority under the Limited Partnership Act to do so. Eidelberg took the defendants as partners, and they all traded together. Eidelberg had now gone out of it, and now the defendants had been substituted. The Limited Partnership Act never intended that as a means of Eidelberg evading his liabilities. Defendants said they had paid 250*l.* to Eidelberg for the business, and had sold it for 100*l.*, which they had not yet received, but which they expected to get. They had been as much deceived as the plaintiff by Eidelberg not coming back, as he was to have put 1,000*l.* or 1,500*l.* into the business. They kept it going simply for the plaintiff's benefit. No one knew where Eidelberg was. Judge Rentoul found for the plaintiff, and held that the power of attorney did not protect the defendants. He awarded the plaintiff his royalties at 3*d.* and costs of the action.

High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

Aerated-waters Injunction.

In the Chancery Division, on March 31, Mr. Justice Warrington had before him a motion for judgment in default of appearance in the action Sodastream, Limited, *v.* Reynolds, in which an interim injunction had already been granted restraining J. Reynolds, carrying on business at Alexandra Parade, Hendon, from using the "Monster" outfit in connection with the manufacture of aerated waters and restraining infringement of patent. Plaintiffs now asked for a perpetual injunction, and his Lordship made an order accordingly, with costs.

Medicine-stamp Acts, 1804 and 1812.

Unstamped Dutiable Ointment.

At Leeds Police Court, before Mr. C. M. Atkinson (Stipendiary Magistrate), on March 26, John Megson, trading as the Meegro Manufacturing Co., of Oldham Street, Manchester, was summoned for selling "Meegro Emollient Ointment" in 3*d.* boxes which were not duty-stamped. Mr. F. G. Gibson, on behalf of the Commissioners of the Customs and Excise, prosecuted, and stated the facts of the sale and advertisement of the article in Leeds, and called evidence corroborating his statement.

Mr. H. W. Judson (Manchester), who defended, said the defendant had been prosecuted three times before for somewhat similar offences in connection with the same ointment. He complained greatly of the insistence in prosecuting him, while many other makers of patent medicines (specimens of which Mr. Judson handed to the Magistrate) were allowed to sell in unstamped boxes. The defendant had tried to keep within the law, and had repeatedly altered his announcements to bring himself into line. The last occasion had been with the help of the officials at the Inland Revenue Office at Manchester, when the word "skin" had been replaced by "emollient" and "remedy" by "ointment." Mr. Judson said he thought his Worship would realise that it was impossible to place the cost of a 1½*d.* duty-stamp upon small 3*d.* boxes of the ointment. If these prosecutions were persisted in, the defendant could do nothing except withdraw the 3*d.* tins and confine himself to his 1*s.* tins, which were stamped. The advertisement, stating various ailments which could be cured by the ointment, seemed to be the cause of offence in all the cases, and not the boxes containing the ointment, which did not contain any such statement; but the defendant thought he was safe after consultation with the Inland Revenue authorities.

The defendant, in the course of his evidence, said it was his intention, as soon as he got the thing properly going, to take the small boxes off the market and sell only the 1*s.* boxes.

The Magistrate said it seemed to him that there had been a misunderstanding on the part of the defendant. The Inland Revenue officials appeared to have marked off the card at a point before the descriptions of ailments to be cured, and he thought the defendant would be well advised to stop the advertisement at that point. There was, of course, no reason why he should not continue the naming of scalds, burns, etc., which were not "ailments" of the human body.* On the understanding that the advertisement in its present form would be discontinued, the Stipendiary Magistrate imposed a penalty of 40*s.*

* Lest anyone should think of following this dictum, it is desirable to state that burns and scalds come within the statutory description "distemper, malady, ailment, disorder, or complaint incident to or in anywise affecting the human body."—Editor *C. & D.*

LIMITED COMPANIES.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

West Bank Alum Co., Ltd. (P.C.).—Capital 6,000*l.* R.O., Bewsey Chambers, Warrington.

Radium Cleanser Co., Ltd. (P.C.).—Capital 7,000*l.*, in 1*l.* shares. The first directors are F. B. Morse, G. S. Herne, and P. Izod.

Surrey Soap-makers, Ltd. (P.C.).—Capital 2,000*l.* The subscribers are H. C. Mossop, 79 Queen Street, E.C., solicitor, and J. V. Eyre, Chertsey.

Doctor's Surgical Instrument Manufacturing Co., Ltd. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. The first directors are H. James (managing director) and W. J. H. Green. Qualification, 50*l.* R.O., 119 High Holborn, London, W.C.

Colchester Table Waters, Ltd. (P.C.).—Capital 1,500*l.*, in 1*l.* shares. The first directors are C. E. Smedley, G. C. Benusan-Butt, and D. B. Drake. R.O., 123 Cannon Street, London, E.C.

B. C. B., Ltd. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of chemists, druggists, drysalters, etc. The subscribers are J. F. Gumm and W. B. Howe, both of Cardiff.

Max Merker, Ltd. (P.C.).—Capital 1,000*l.* Objects: To carry on the business of chemists, druggists, drysalters, etc. The first directors are E. M. Merker and G. Holdcroft. R.O., 59 Charlotte Street, London, W.

Provincial Direct Supply Aërated Water Co., Ltd.—Capital 20,000*l.* The first directors are A. Henderson (chairman), E. Goddard (managing director), E. H. Eldridge, G. V. K. Farlow, T. Webb, C. H. Burge, and C. E. Stoer.

Minerals and Metals, Ltd. (P.C.).—Capital 10,000*l.*, in 1*l.* shares. Objects: To take over the business carried on by Sulphates, Ltd., to establish works for obtaining sulphate of copper and other substances, etc. The first directors are T. P. R. Richards and W. Turpin, Swansea.

Channell Chemical Co. (of England), Ltd. (P.C.).—Capital 10,000*l.* Objects: To carry on the business of dealers in mops, polishes, cloths, dusters, etc., under the trade-mark "Ocedar." The first directors are R. B. Foster and C. A. Channell. R.O., 17 Albion Street, King's Cross, London, N.

Ridovit, Ltd. (P.C.).—Registered in Edinburgh. Capital 10,000*l.*, in 1*l.* shares. Objects: To acquire formula and process for manufacturing a soap or cleanser known as "Ridovit." The first directors are J. Galloway, J. W. Foy, W. W. Slater, and C. Bishop. R.O., 71 George Street, Edinburgh.

Walker & Co.'s Stores, Ltd.—Capital 130,000*l.*, in 1*l.* shares Objects: To take over the business and undertaking of J. W. Walker and W. W. Walker, trading under the style of Walker & Co.'s Stores, at Henley-on-Thames and elsewhere. The first directors are J. W. Walker, W. W. Walker, and G. F. Slade, J.P.

Invincible Air Brush and Surgical Engineering Co., Ltd. (P.C.).—Capital 3,000*l.*, in 1*l.* shares. Objects: To take over the business carried on by A. Aufholz in Arlington Street, by Sadler's Wells, E.C., as the Invincible Brush and Surgical Engineering Co., together with a special patent belonging to the said vendor. The subscribers and first directors are K. Attwood and A. Aufholz.

Madame Woods, Ltd. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of chemists, druggists, dentists, etc., and to acquire the business carried on by Miriam M. Woods, maker of toilet requisites and ointment and perfumer, carried on at 26 High Street, New Oxford Street, London, W.C., as "Madame Woods." The first directors are Mrs. M. M. Woods and Miss M. Lupton. R.O., as above.

Company News.

Airedale Chemical Co., Ltd.—Mr. A. J. Downs, of Parliament House, Parliament Street, Hull, was appointed receiver on March 18.

Evans Sons Lescher & Webb, Ltd., have issued dividend warrants for the half-year's dividend on the 5 per cent. cumulative preference shares.

Essex Pure Drug Stores, Ltd.—Report of liquidator (Mr. C. Comins) at meeting to be held at 50 Cannon Street, London, E.C., on April 29, at noon.

Wright, Layman & Umney, Ltd.—At the annual meeting of the ordinary shareholders held in the company's office, Southwark, S.E., Mr. Charles Umney, F.I.C., F.C.S., presiding, the report and financial statement were adopted, and Mr. E. B. Layman was re-elected a director.

BIRTHS.

Authenticated notices are inserted without charge.

Gilmour.—At Cameron Street, Dunfermline, on March 29, the wife of John Gilmour, Ph.C., of a son.

Hare.—At 36 Liverpool Road, Birkdale, Lancashire, on March 28, the wife of Charles Hare, pharmacist, of a son.

Pattullo.—At 5 Dalziel Place, Edinburgh, on April 1, the wife of J. W. Pattullo, 18 Cadzow Place, of a daughter.

DEATHS.

Authenticated notices are inserted without charge.

Bramley.—Recently, from pneumonia, Mr. John Henry Bramley, proprietor of the Beulah Road Drug-stores, Thornton Heath, Croydon, aged fifty-three.

Byron.—At Grantham, on March 30, Mr. George Henry Byron, chemist and druggist, Alexandra Road, Grantham, aged thirty-nine. Mr. Byron had been manager of the local branch of Messrs. Boots, Ltd., at 6 High Street, for the past four years. He joined the company as an errand-boy and won a Boots' Scholarship, enabling him to obtain tuition in pharmaceutical subjects and pass the Minor in 1901. Mr. Byron, who died, after a fortnight's illness, from pneumonia, leaves a widow and four young children. The many floral tributes at the funeral included one from Sir Jesse and Lady Boot, and others from the Grantham staff and the Kesteven Pharmacists' Association.

Cowen.—At 6 High Street, Thurso, on March 28, Miss Jane Eleanor Cowen, daughter of the late Hugh Cowen, chemist and druggist, aged fifty-seven.

Fenton.—At 63 Agincourt Road, Sultan Road, Buckland, Portsmouth, last week, Mr. William Fenton, chemist and druggist. Mr. Fenton was a native of Forfar, and passed the Modified examination in April 1873. He had for many years resided in England, chiefly in London, being for many years in the employment of Messrs. Herrings & Co., Aldersgate Street, and was also in business on his own account. Latterly he had been totally incapacitated on account of heart-trouble, and the Pharmaceutical Benevolent Fund and the Royal Scottish Corporation combined to make him comfortable and above want. He spent his last years of life in the home of a relative. Mr. Fenton was between sixty and seventy.

Fidler.—At Liverpool, recently, Mr. John Fidler, chemist and druggist, 68 Northumberland Street, Toxteth Park, Liverpool. Mr. Fidler passed the Minor examination in 1874. He was also registered as a dentist. His pharmacy was at 183 Mill Street, Liverpool. At the funeral at Toxteth Park Cemetery, on March 27, the principal mourner was Miss Fidler, sister and only relative.

Forrest.—In the Westminster Hospital, London, S.W., on March 25, Mr. George Forrest, late of Aberdeen, aged twenty-two. Mr. Forrest had just left the pharmacy of Epps & Co., Down Street, Piccadilly, W., where he was employed, at about 8 o'clock on March 24, when he accidentally stepped in front of a taxi-cab, and was knocked down and run over. Internal injuries were the cause of death. He had only been in London about five months, his previous employers being Mr. A. W. Shirras, chemist, Kittybrewster, Aberdeen, and Mr. J. R. Reith, Cults, with the latter he was an assistant for five years.

Fowlie.—At Brandfort, Orange Free State, on March 25, Mr. Alexander Fowlie, chemist and druggist, late of Strichen and Aberdeen. Mr. Fowlie passed the Minor examination in 1900, and was on the bright side of forty. He had been in South Africa for several years, and took an active part in pharmaceutical affairs in Orange Free State, being a pharmaceutical representative on the Medical and Pharmaceutical Council, the last meeting of which he attended.

Gunn.—At 44 George Square, Edinburgh, on March 20, Dr. Alexander Gunn, aged seventy. Dr. Gunn was a native of Caithness, and served his apprenticeship to the drug-trade with James Robertson & Co., George Street, Edinburgh, and qualified at that time. Afterwards he was appointed senior apothecary and dispenser of the Edinburgh Royal Infirmary, and while there attended medical classes and became L.R.C.P. and S.E. in 1877. He then became a general practitioner, and in 1886 obtained the M.D. of St. Andrew's University. Dr. Gunn was the only medical practitioner in Edinburgh who kept open shop as a chemist and druggist.

Holden.—At Albert Road, Southport, on March 24, Mr. J. J. Holden, Chairman of Hardman & Holden, Ltd., chemical manufacturers, Manchester, and of the Manchester Oxide Co., Ltd.

Horne.—At 70 Beaconsfield Place, Aberdeen, on March 28, Mr. Alexander Robertson Horne, aged fifty-five. Mr. Horne was for long connected with the firm of Messrs. Wm. Paterson & Sons, wholesale druggists, Spring Garden, Aberdeen, and when the British Pharmaceutical Conference visited that city he took an active part in its welcome.

Kelsey.—At 24 Langdale Gardens, Hove (Sussex), on March 29, Isabelle Elizabeth, wife of Mr. James William Kelsey, formerly of Melbourne (Australia), London, and Paris.

Partington.—At 51 Oaklands Road, Hanwell, London, W., on March 23, Mr. John James Partington, chemist and druggist, formerly of Bath, aged sixty-one.

Pickford.—At "Highfield," Copperkins Lane, Chesham, on March 22, Mr. Arthur Ferdinand Pickford, chemist and druggist, aged forty-four. Mr. Pickford, who passed the Minor examination in 1895, was in business at 194 Holland Park Avenue, London, W.

Sanders.—At 57 Old Town, Clapham, London, S.W., on March 22, Mr. Richard Vernon Sanders, chemist and druggist, aged twenty-nine.

Stokoe.—On March 29, Mr. Thomas Stokoe, Ph.C., Market Hill, Clare, Suffolk, aged seventy-nine. Mr. Stokoe had been in business at Clare for forty-five years, moving into the country from London for the benefit of his health. He passed the examination for pharmaceutical chemist in 1865. Mr. Stokoe was an expert photographer, landscapes being his speciality. He was an occasional contributor to photographic journals. He was secretary of the Royal Clarence Lodge of Freemasons for twenty-five years, hon. secretary of the Literary Institute, vice-chairman of Clare Athletic Society, and sidesman at the parish church. He leaves a widow, one son, and four daughters.

Thomson.—At 10 Denham Green Place, Trinity, Edinburgh, on March 30, Mr. Isaac William Thomson, Ph.C., late of T. & H. Smith, Ltd. Mr. Thomson was born in Annan, and served his apprenticeship in the shop of Dr. McKinnel there. He then went to Edinburgh as an assistant in Messrs. T. & H. Smith's old retail shop in Duke Street, subsequently going to the factory, where he became one of the most trusted men, latterly acting as one of the managers. Owing to ill-health, Mr. Thomson retired fully a year ago, after nearly forty years' service. He passed the Minor examination in 1883, and the Major in 1887. At that time, and for some years after, he was in the habit of contributing to the evening meetings of the Pharmaceutical Society in Edinburgh, either by papers or in discussions, and he was much respected by all who knew him. He leaves a widow, a son, and a daughter. His son, Mr Wm. Lockerbie Thomson, qualified as a chemist and druggist in 1908, and afterwards graduated B.Sc. at Edinburgh University. He is now in the employment of Messrs. T. & H. Smith.

Williams.—At Newcastle-on-Tyne, on March 18, Mr. Thomas Llywellyn Williams, 49 George Street, Newcastle, aged seventy-four.

Easton's Syrup.—A correspondent points out that this preparation is not in Part I. of the Poisons Schedule, as inferred by the note in the *C. & D.*, March 23, p. 65. He is right.

TRADE NOTES.

Brown's Fly-catchers.—The Brown Manufacturing Co., Ltd., Letchworth, Herts, advertise in this issue particulars of their "Flico" and "Fliban" fly-catchers. An offer is made of samples and prices.

Cloth-balls.—Messrs. O'Neil, Zetts & Co., 61 King William Street, London, E.C., make a bonus offer in their advertisement in this issue on all orders received during April for Zetts' Universal Cloth-ball.

Price-list.—Those who have not received a copy of the new price-list of Sangers, 258 Euston Road, London, N.W., should repair the omission by writing for one. See the note to this effect in the firm's advertisement.

Bisurated Magnesia.—Tokalon, Ltd., 212 and 214 Great Portland Street, London, W., make a special offer to chemists who stock bisurated magnesia and agree to certain conditions which are mentioned in the company's advertisement.

Cox's Specialities.—Arthur H. Cox & Co., Ltd., Brighton, are sending out a circular regarding their specialities for spring and toilet preparations. Those chemists who have not seen the folder should write for a copy.

Fenolin.—The Fenolin fluid and vaporiser made by Hall Forster & Co., Ltd., manufacturing chemists, Elswick Court, Newcastle-on-Tyne, are kept in stock by the wholesale houses mentioned in the company's advertisement in this issue.

"Roc" Vacuum Flasks.—Three representative varieties of these vacuum flasks are shown in the advertisement in this issue of Read & Campbell, Ltd., Craig's Court, Charing Cross, London, S.W. The flasks are British made, and "supertested."

Protected Prices.—The J. D. Riedel Co., 13 and 14 Walbrook, London, E.C., have placed nine of their specialities on the protected list of the Proprietary Articles Trade Association. Note the illustration in their advertisement, which symbolises the good effect of this move.

We are informed that recent rumours about the firm of Samuel Lambert & Co., 14 Mincing Lane, London, E.C., have been much exaggerated. The matter was to some extent due to personal questions and differing interpretations placed upon a will, which have now been amicably settled. The business has been carried on for forty-three years by father and son, and will continue to be carried on without interruption.

Binoculars and Telescopes.—Raphael's, Ltd., manufacturing opticians, Hatton Garden, London, E.C., have issued a new catalogue devoted especially to prism binoculars, field-glasses, opera-glasses, and telescopes. Each of the items is illustrated by beautifully executed half-tone blocks, so that a customer can get a true idea of the instrument. The prices given are also the retail prices, so that the list can be shown to customers. The first four pages explain the general principles and special points of binoculars, range-finders, and graticule attachments. A copy of the list will be sent to any of our readers who send a request on trade stationery or accompanied by trade-card, and it is intended to supply the lists in quantities with the optician's name printed on where desired.

Aeroxon Fly-catchers.—Lux Bros., Ltd., 87 Borough High Street, London, S.E., send us samples of the "Honey Fly-catcher Aeroxon." This is a spiral band form enclosed in a card case like a cartridge. At the top is a string with a drawing-pin attached. This string is pulled out so as to expand the spiral band, which is saturated with the sticky fly-catching composition, and by means of the pin the catcher is attached to the ceiling, being thus out of the way and in the best place for fulfilling its functions. It is stated that the fly-catcher will work after opening out for a period of three to four weeks, and specially interesting to the retailer is the fact that the fly-catcher keeps without deterioration during the winter months.

Wright's Coal-tar Soap Competition.—It will be observed from an announcement made in this issue by

Messrs. Wright, Layman & Umney, Ltd., Southwark Street, London, S.E., that they have decided to duplicate their window-display competition, thus having two in the course of the year instead of one as heretofore, the prize-money being doubled. The first will be from January 1 to June 30, and the second from July 1 to December 31. The prizes offered are: First, 25*l.*; second, 15*l.*; third, 10*l.*; fourth, 5*l.*; and ten prizes of 1*l.* each. Our retail readers should write to Messrs. Wright, Layman & Umney, Ltd., at the above address for full particulars. It is good business. We understand that the reason for the change is that the company received many letters from chemists complaining that it is a very long time to wait to know whether they have a prize if they have made a display in March-April, and they have to wait until the following February.

Ecsolent Compounds, Ltd., have published a very handsome new showcard which is represented in the annexed engraving. The card is produced in colours, and is cut out so as to form the front of a Greek temple. It has a

base of 20 in., and is supported by struts at the back, the total height being 16 in. It will be observed that the figures of "Health" and "Beauty" are prominent in the design. The company will send one of these cards and other advertising-matter free and post paid to any chemist who writes to Ecsolent Buildings, Elthorne Road, London, N.

CREDITORS' MEETING.

At a meeting of the creditors of Marcus Fedderman (trading as M. Defferman), chemist and druggist, St. James's Buildings, Manchester, on March 31, Mr P. S. Booth, of the Association of Manufacturing Chemists, was elected to the chair. A statement of affairs was submitted showing liabilities amounting to 1,719*l.* 9*s.* 3*d.*, of which 1,684*l.* 10*s.* 3*d.* was due to trade creditors, and the assets totalled 1,217*l.* 6*s.* 5*d.*, from which had to be deducted preferential claims totalling 189*l.* 12*s.* 9*d.* The estate therefore showed on paper an apparent deficiency of 691*l.* 15*s.* 7*d* It was resolved that the debtor should execute a deed of assignment, the trustee under the deed to be empowered to sell the business to the debtor or his nominees for a sum equal to 10*s.* in the pound, and in the interim to advertise the business for sale with a view to getting a likely purchaser, the business to be carried on for six weeks, at the end of which time the committee of inspection should be called together to receive a statement as to how the business has gone on in that time. The following are creditors: T. Christy & Co. (22*l.*); Grossmith & Co. (32*l.*); Icilma Co., Ltd. (22*l.*); S. Maw, Son & Sons (43*l.*); Quilliam & Co., Ltd. (46*l.*); Southall Bros. & Barclay, Ltd. (23*l.*); F. Stearns & Co., Ltd. (48*l.*); Yardley & Co. (130*l.*).

Treatment of Asthma.—Dr. F. G. Crookshank, in "The Lancet," states that he has found a 2-grain tablet of pituitary-gland substance, night and morning, of service in the treatment of certain cases of asthma. Chronic cases were selected for this treatment.

PHARMACEUTICAL SOCIETY
OF GREAT BRITAIN.

Council-meeting.

The monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on April 1. The Treasurer reported that the financial position both of the General Fund and the Benevolent Fund has improved. Grants amounting to 163*l.* 16*s.* were made to eleven applicants for assistance from the Benevolent Fund. A purchase was sanctioned of twenty microscopes for the school of pharmacy at a cost of 106*l.* 6*s.* A sinking fund is to be raised from the fees charged to students for the use of the instruments. The regulations regarding the Pharmaceutical Parliamentary Fund were agreed to, and four representatives of the Council were appointed—viz., Messrs. Allen, Rowsell, Sargeant, and Young. The names of the candidates for the Council election in May were announced. In addition to the seven retiring councillors who seek re-election, three other chemists have signified their willingness to serve if elected. These are Mr. D. Arnott (Pontypridd), Mr. C. W. Brumwell (London), and Mr. H. Skinner (Holloway). The Council selected the names of two honorary members and three corresponding members, who will be elected in May. The Parliamentary Secretary reported as to the position in regard to the Assistants to Chemists (Qualification) Bill, and a statement was made regarding the discounting of chemists' accounts by Insurance Committees.

The councillors present were: Mr. E. White (President), Mr. A. S. Campkin (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. C. B. Allen, F. E. Bilson, W. G. Cross, J. H. Cuff, W. L. Currie, F. J. Gibson, R. L. Gifford, A. Hagon, J. F. Harrington, J. Harrison, E. T. Neathercoat, L. M. Parry, F. A. Rogers, P. F. Rowsell, F. P. Sargeant, T. A. White, and J. R. Young.

Elections and Restorations.

The minutes of the previous meeting having been read and confirmed, members and associates were elected and restored, and some names were restored to the Register of Chemists and Druggists.

Benevolent Fund.

Mr. Rogers presented the report of the Benevolent Fund Committee, and stated that the condition of the Fund is more satisfactory. Recommendations were made of grants of 163*l.* 16*s.*, in eleven cases. Mr. Rogers also appealed for the votes and interest of members in the case of Mrs. Martha De Putyren, widow of a traveller who was well known to chemists, who is seeking election as a pensioner of the Commercial Travellers' Association. An appeal was also made on behalf of Mrs. Jane Ann Pimm, who is seeking election to the British Home and Hospital for Incurables at Streatham.

Mr. Cross, referring to the case of Mrs. De Putyren, said that her late husband was a traveller successively for Messrs. S. Maw, Son & Sons and Mr. W. Toogood for about thirty years. The case is a very deserving one.

Mr. F. J. Gibson emphasised the necessities of Mrs. Pimm, and hoped members would be able to influence votes on her behalf.

Mr. W. H. Gibson mentioned that among the special donations received for the Fund were the following: United Chemists' Association, Ltd., 5*l.* 5*s.*; Harrogate Pharmaceutical Association, 2*l.* 12*s.* 6*d*; Sheffield Chemical and Pharmaceutical Association, 2*l.* 11*s.*; and Mr. W. Parry Williams (proceeds of a weighing-machine), 7*s.* 6*d.*

The report was adopted.

Finance Committee.

The Treasurer then presented the report of the Finance Committee. The receipts of the General Fund amounted to 4,713*l.* 3*s.* 11*d.*, made up as follows: Penalties and

costs, 137*l.* 12*s.*; subscriptions, 2,256*l.* 19*s.* 6*d.*; "Journal" and publications, 140*l.* 15*s.* 10*d.*; restoration-fees, etc., 5*l.* 5*s.*; registration-fees, 140*l.* 14*s.*; dividend, 26*l.* 10*s.* 4*d.*; examination-fees, 1,850*l.* 6*s.*; sale of registers, 122*l.* 10*s.*; sundries, 32*l.* 11*s.* 3*d.*—making a balance of 4,814*l.* 14*s.* 9*d.* after deducting the payments authorised at the last meeting. The following amounts were recommended for payment: "Journal" and publications, 164*l.* 16*s.* 6*d.*; stationery, etc., 132*l.* 16*s.* 5*d.*; current expenses, 750*l.*; salaries, etc., 333*l.* 10*s.* 4*d.*; school and examinations, 93*l.* 17*s.* 8*d.*; law charges, 28*l.* 13*s.* 6*d.*; house, 207*l.* 3*s.* 2*d.*—a total of 1,710*l.* 17*s.* 7*d.* The balance on the Benevolent Fund current account was shown as 812*l.* 3*s.* 10*d.*, on the Donation Account 83*l.* 15*s.* 1*d.*, and on the Orphan Fund 24*l.* 0*s.* 4*d.* Commenting on the report, the Treasurer said he had good news generally regarding the financial outlook. The subscriptions to the Society and examination-fees both increased compared with the corresponding period of last year, while the balance in hand is 550*l.* more than last year. He proposed to place 4,000*l.* on deposit, which can be done without depreciating the banking account too much. He thought this reflected the increased prosperity of chemists generally.

Mr. Rowsell did not agree with the view just expressed, but thought the change is due to chemists taking more interest in the affairs of the Society, which they are evidencing by supporting it.

The report was adopted.

Library Committee.

The President presented the report of the Library, Museum, School, and House Committee, which stated that the Government inspector has visited the school, and has suggested that if the Major course were extended to an academic year the school might be registered as a technical institution and the grants thereby considerably increased. The Dean was requested to look into the conditions for obtaining the increased grant and report to the next meeting. Estimates were considered for the supply of twenty microscopes for the school, and the tender of Messrs. R. & J. Beck for 106*l.* 6*s.* recommended for acceptance. The terms of a reply to the Departmental Committee on University Education in London were agreed upon. Arrangements were also made for the Easter vacation, and accounts amounting to 10*l.* 5*s.* 2*d.* approved of for house repairs. The President stated that it is proposed to form a sinking fund for replacing the microscopes in future by charging each student a fee of 5*s.* for the use of an instrument for each course.

The report was adopted.

Pharmaceutical Parliamentary Fund.

The sub-committee which has been considering the regulations for administering the Pharmaceutical Parliamentary Fund reported that the draft regulations have been prepared. These were presented to the Council for adoption.

The Secretary reported that the draft regulations had been sent out with a covering letter to all local Associations, and also to persons who it was thought would be interested. Subscriptions are coming in, and in addition many promises of support have been received. He would not like to give the impression that everything is satisfactory, because not all the money required has been subscribed or promised. It is necessary that pharmacists should take an active interest in the Fund.

Mr. Cross said this is a serious matter, and pharmacists should not delay in sending in subscriptions. He is adopting the plan of canvassing every chemist in his district. He had called on seven or eight men up to the present, and had so far not met with any refusals; in fact, some chemists had subscribed sums that he did not dream would be offered to him. He hoped Associations would do more than send out circulars; chemists should be seen personally.

Mr. Hagon mentioned that at the meeting of the Cardiff Association a minimum subscription of 10*s.* 6*d.* had found acceptance.

The Secretary said that forms of subscription have been prepared, which he would be glad to supply to those desiring them.

Mr. Sargeant said it ought to be made clear that the Fund would not be used for helping one individual member to defend his seat at a Parliamentary election, or that it would be employed on behalf of one political party.

Mr. Harrison pointed out that the Fund is for pharmaceutical, not political, purposes; any views to the contrary should be dissipated. The advantage of having a representative of pharmacy in Parliament is now well recognised, especially having regard to what happened during the passing of the National Insurance Act through the House of Commons. It would be a mistake to fix a minimum subscription, as everyone should subscribe, no matter how small the amount.

Mr. Young added that in fixing a minimum it is apt also to be regarded as a maximum.

Mr. T. A. White thought that, in view of the high political feeling which will be engendered at the next election, it is important that it should be understood that the Fund will not be employed for promoting the election of one candidate only.

Mr. Parry said it is contrary to custom to introduce politics at Council-meetings, but he desired to state that the matter has always been treated in a generous manner.

The President said it will be the duty of the administrators to recommend that Mr. Glyn-Jones's return be secured, and if money enough is subscribed to employ it in support of a Unionist.

Mr. Parry: Why should not you accept the Liverpool offer of a seat?

The President: I have never told you what my politics are. (Laughter.)

The report was adopted.

In accordance with the provisions of the regulations the Council then proceeded to appoint four members to act with the President, Vice-President, and Treasurer in the administration of the Fund. Those appointed were Messrs. Allen, Rowsell, Sargeant, and Young. The two representatives of the subscribers will be appointed at a later period.

Apprentices Registered.

The Secretary reported that he had registered sixty-nine apprentices or students during the past month.

Auditors' Report.

The President then referred to the auditors' report, which is appended to the balance-sheet. He stated that Mr. J. C. Umney was unable to be present at the auditors' meeting on account of illness. The accounts are given at the end of this report.

Council Candidates.

The Secretary reported on the nominations for Council and auditors. He stated that fourteen nominations had been received for the seven vacancies, and that the following ten had signified their willingness to serve if elected:

Arnott, D., Pontypridd.	Harrison, J., Sunderland.
Bilson, F. E., Bournemouth.	Rogers, F. A., Oxford Street, W.
Brumwell, C. W., Euston Square, N.W.	Rowsell, P. F., Exeter.
Cuff, J. H., Folkestone.	Skinner, H., Holloway, N.
Harrington, J. F., Kensington.	Young, J. R., Warrington.

The auditors nominated are those already serving in that capacity.

Parliamentary and General Purposes Committee.

The report of this committee referred to the Assistants to Chemists and Druggists Bill, which Mr. Glyn-Jones has introduced in the House of Commons. The sponsors are Mr. Glyn-Jones, Mr. Alden, Mr. Remnant, and Mr. Bird. The Parliamentary Secretary attended and reported as to the future of the Bill.

Honorary and Corresponding Members.

The same committee reported that the following have been selected for election as honorary or corresponding members:

Honorary Members.—L. Van Italie, Professor of Pharmacognosy, University of Leyden; J. E. Purvis, M.A., F.I.C., University Lecturer in Chemistry and Physics, Cambridge.

Corresponding Members.—A. Balfour, Director of Tropical Research Laboratory, Khartoum; J. R. C. Stephens, Medical Missionary, Nigeria; P. van der Wielen, Professor of Pharmacy, University of Amsterdam.

School Awards.

The following awards were also recommended as a result of the school examinations :

Botany.

Silver Medal.—May Grimshaw.

Certificates of Honour.—E. W. Fair, C. E. Corfield, and B. G. W. Hoare.

Chemistry and Physics.

Silver Medal.—C. E. Corfield.

Certificates of Honour.—E. W. Fair and May Grimshaw.

Practical Chemistry.

Silver Medal.—B. G. W. Hoare.

Certificates of Honour.—C. E. Corfield and C. T. Bishop=E. W. Fair.

Materia Medica.

Silver Medal.—B. G. W. Hoare.

Certificates of Honour.—E. W. Fair and May Grimshaw=C. T. Bishop.

Drug-tariff Conference.

It was reported to the committee that a request had been received from the British Medical Association for a conference on the Drug Tariff for Health Insurance purposes. The Secretary has already had an informal talk with Dr. Cox, the Secretary of the British Medical Association, and is to report further progress to the committee.

Health Insurance Matters.

Two reports were before the committee from the Executive Committee of the Local Pharmaceutical Associations Conference. The first referred to the inaugural meeting on March 4, at which Mr. White was elected President and Mr. Woolcock was appointed Secretary. The committee formally agreed to the recommendations of the Council and of the Joint Standing Committee on Insurance. It was resolved that the Pharmaceutical Society should defray the expenses of the Executive for the time being. The question of territorial representation was deferred; in the meantime members of the committee were invited to forward to the Secretary any practical schemes of election which they desire to be considered at the next meeting. It was agreed that the present method of electing Pharmaceutical Committees is working satisfactorily. The second report referred to a meeting held on March 31, when reports were received of visits by the President, Mr. Sargeant, Mr. F. J. Gibson, and the Secretary to Harrogate, Workington, Grimsby, Leicester, and Bath. The matter of the election of members of the Executive Committee was again deferred. The committee took into consideration the question of the policy to be adopted in regard to those Insurance areas where the Drug Fund has been exceeded and where the chemists are threatened with a "discounting" of their accounts. The Secretary gave information as to the number of the insolvent areas, and the President invited views as to what should be done in the way of preventing local action which might prove to be inadvisable and possibly disastrous to the general body. After discussion the Secretary was authorised to visit Lancashire during the ensuing week and to make himself personally acquainted with the conditions in those industrial areas where there is a marked deficit. A report upon the whole question is to be presented to the committee at its next meeting.

The President, in moving the adoption of the report, said that the members throughout the country would be glad to see, from the reports of the Local Associations Executive, that their interests are not being lost sight of in connection with those areas in which the Drug Fund is overspent. He suggested that the pharmacists in those areas should not allow their interests to be used for political purposes, either inside or outside the House of Commons, as the difficulties in question arise over business matters, in which politics have no part. But it is a fact that in some areas the Drug Fund is overspent. In a large number of areas there is sufficient money to pay the accounts in full, and this payment in full will be made as soon as the Insurance Committees have closed their books and have ascertained precisely the amounts to be spent. In some areas, he believed, where the deficiency appears to be but small at present, that deficiency would disappear when the Committees of those areas receive a certain amount of money which remains outstanding, the exact amount of which, however, they are not in a position to state. But there are other areas in which one could not hope that the amount of the Drug Fund would be such as would meet the pharmacists' bills. On that point he wished to say that pharmacists had made contracts with the Insurance Committees, which contracts have got to be kept by both sides. So far as could be seen the pharmacists have kept their side of the bargain very thoroughly and efficiently, and he had no doubt that the Insurance Committees would keep their part of the bargain also. It would, he considered, be the wrong policy to make complaints in the Press until the chemists in those areas know exactly the damage, if any, which they have sustained. It seemed to him that if there were a contract which it is feared would not be kept—which is a matter of opinion—under which damage would ensue, the business-like course is to see what the damage is before making complaints. Chemists would do well to reserve their rights under the contract, and put into motion the provisions contained in the Act and regulations for meeting the conditions such as now exist in the case of the Drug Fund. In the first place, there is a provision for dealing with excessive sickness, and another dealing with the possibility of surcharging doctors who might have prescribed excessively, or at all events more extensively than seems warranted. It is very difficult to put the second clause into execution; it might be thought there is good reason for surcharging, but from another standpoint it might appear that such surcharge would not be justified. But if no surcharge is to be made in cases in which money is overspent, it followed that the other clause must come in—that the amount of sickness has been excessive, hence the money required is in excess of that provided, though enough to meet a normal amount of sickness. But in certain areas if there is overspending of money, and there is no evidence that it has been badly spent or that there is careless prescribing, it is evidence that the amount of sickness in the area concerned has been unduly large. There is some difficulty in interpreting the wording of the regulations concerning excessive sickness; he believed it is supposed to mean an epidemic of sickness. If so, it justifies the remark that in certain areas sickness might always be called epidemic, and that what has happened this year is likely to happen next year, or indeed in any year; so that the difficulties will be of yearly occurrence if the same amount of money is to be allotted to those areas each time. It is obvious that in thinly populated districts, where the residents live mostly an open-air life, there would not be anything like the call for medical attention as in populous districts which are definitely less healthy and where there are risky and unhealthy trades and general conditions of living, and in areas where a large amount of female labour is employed. If there is to be a definite sum allotted to these areas of widely different character, difficulties of the kind now under consideration will be continually occurring. And yet it would be illogical to take as the standard the sum required for the heaviest districts in regard to medical needs. He was not prepared at the moment with a suggestion to overcome the difficulty, but some provision will have to be made to meet exceptional circumstances. He did not think either chemists or Insurance Committees could have been expected to foresee in which areas this kind of thing is going to happen; and he did not think it the wish of the Insurance Committees, or the Commissioners, or the Government that any inequality of this sort should be met out of the chemists' pockets. The Government and the bodies they set up are dealing with public funds, and

they cannot commit themselves to any course of action which would bind them to make good this money out of any particular fund, or give a blank cheque to any individual. Chemists have done their work fairly with the public in accordance with the Act, and if it is possible, under any arrangement, to make that money up, he believed it would be done. But he deprecated any hasty action, or the assumption that because the Council do not ventilate their view in the public Press they are not taking steps to put matters right. It is much better to attack the question in a business-like way, without either sentiment or political feeling, neither of which is of practical service. He had seen statements in the Press, and remarks have also been made in the House of Commons purporting to champion the cause of the chemists, some of which statements are not accurate, and some certainly have not done their cause any good with either of the great parties of the State. He wished chemists to accept his assurance that the question is having every attention with a view to a good settlement for the future.

After some remarks from Mr. Sargeant the report was adopted.

This concluded the business.

Financial Statements.

General Fund Account.

Expenditure (two years compared).

	1912. £ s. d.	1913. £ s. d.
To Annuities	300 0 0	500 0 0
Carriage of Books and Parcels	8 7 8	8 11 4
Certificates of Death	23 10 5	24 11 0
Examinations: Minor and Major—		
Fees to Examiners and Travelling Expenses—		
England and Wales	1,037 2 9	1,087 6 9
Scotland	357 4 6	380 6 0
Refreshments—England and Wales	40 5 1	43 8 5
Scotland	29 9 5	30 3 3
Apparatus, Drugs, Chemicals, Printing, and sundry charges—England and Wales	269 12 0	269 10 5
Scotland	87 10 10	96 7 8
[*Totals*: 1912, £1,821 4*s.* 7*d.*; 1913, £1,907 2*s.* 6*d.*]		
Furniture	5 7 6	0 0 0
Gas, Electric Light, Water, Coal, Cleaning, Materials, etc.	305 7 9	325 4 1
House Servants—Wages	271 18 6	265 14 6
"Pharmaceutical Journal": Balance of Account	1,918 7 6	2,186 16 1
Law Costs	168 11 10	146 17 4
Library:—Librarian's Salary	300 0 0	300 0 0
Purchase and Binding of Books, etc.	89 2 1	82 4 8
[*Totals*: 1912, £389 2*s.* 1*d.*; 1913, £382 4*s.* 8*d.*]		
Museum:		
Curator	400 0 0	400 0 0
Assistant's Wages and Sundry Expenses for Bottles, etc.	103 11 11	116 12 3
[*Totals*: 1912, £503 11*s.* 11*d.*; 1913, £516 12*s.* 3*d.*]		
North British Branch:		
Resident Secretary in Scotland and Clerks—Salaries	502 0 0	517 8 4
Taxes and Insurance	73 6 2	74 0 11
Members of Executive—Travelling Expenses, etc.	66 16 5	53 10 10
Fuel, Light, Water, Cleaning, Service, and Miscellaneous Expenses	471 15 0	332 7 8
[*Totals*: 1912, £1,113 17*s.* 7*d.*; 1913, £977 7*s.* 9*d.*]		
Evening and other Meetings	72 2 5	67 18 5
Postage:—General	247 11 2	269 6 7
"Journal"	934 17 1	1,015 6 8
[*Totals*: 1912, £1,182 8*s.* 3*d.*; 1913, £1,284 13*s.* 3*d.*]		
Register—Balance of Account	31 4 8	25 17 0
Rent, Taxes, and Insurance	1,030 19 8	968 14 0
Premium on Leasehold Redemption Policies	128 2 6	128 2 6
Repairs and Alterations, Electric Service and Fittings	189 2 2	210 1 4
Salaries:—Secretary and Registrar	600 0 0	650 0 0
Clerks	1,443 12 0	1,472 8 0
[*Totals*: 1912, £2,043 12*s.*; 1913, £2,122 8*s.*]		
School of Pharmacy and Research Laboratory:—		
Stipends of Professors and Share of Fees	1,113 14 6	1,200 0 0
Lecturer, Assistant Lecturer, and Demonstrators, and Wages of Porters	774 4 3	759 8 0
Apparatus, Chemicals, Specimens for Lecture Classes, Prize Medals, Certificates, Printing and Posting Prospectuses, and Alterations	571 13 7	561 16 8
[*Totals*: 1912, £2,459 12*s.* 4*d.*; 1913, £2,511 4*s.* 8*d.*]		
Subscription to Chelsea Physic Garden	5 5 0	5 5 0
Subscription to the Lister Memorial	0 9 0	10 10 0
Reception by the President	72 18 3	0 0 0
Stationery, Printing, and Office Expenses	361 2 10	411 11 5
Calendar: Balance of Account	132 13 0	131 12 3
Sundries	18 6 2	6 12 8
Cost of conducting Prize and Scholarships Examinations	13 16 2	9 14 2
Medals—Council and Herbarium Prizes	6 5 6	7 13 5
Travelling Expenses and Refreshments for Council	568 3 7	612 16 0
Local Organization and Parliamentary Expenses: Meetings, etc.	939 0 8	758 17 4
Telephone Service	24 11 9	25 19 7
Fees to Chartered Accountant	78 15 0	78 15 0
Subscriptions in aid of the Annual Table of Constants	0 0 0	5 5 0
Expenses in connection with the International Congress at the Hague	0 0 0	52 2 1
Attending the Pharmaceutical Exhibition at Vienna	0 0 0	26 0 0
	£16,187 9 3	£16,702 14 7
Balance added to Accumulated Funds	756 1 5	1,638 9 10
	£16,943 10 8	£18,341 4 5

Income (two years compared).

	1912. £ s. d.	1913. £ s. d
By Examination-fees:—		
Minor (895 in '12, 905 in '13)	5,723 7 0	5,961 6 0
Major (58 in '12, 60 in '13)	164 17 0	179 11 0
Registration-fees as Students (447 in '12, 580 in '13)	938 14 0	1,218 0 0
Fees for Restoration to Register	35 14 0	80 17 0
Certificates of Qualification	46 13 0	47 4 0
1 Registration as Chemist and Druggist	0 0 0	10 10 0
[*Totals*: 1912, £6,909 5*s.*; 1913, £7,497 8*s.*]		
Interest on Investments:—		
On Legacy	42 7 6	57 16 4
Dividend on Water Board Stock	16 19 0	34 11 6
" on Loan to Benevolent Fund	35 0 0	35 0 0
Ground-rents	273 1 8	273 1 8
Net Rent of 15 Bloomsbury Square	182 13 8	182 13 8
[*Totals*: 1912, £550 1*s.* 10*d.*; 1913, £583 3*s.* 2*d.*]		
School-fees	1,416 7 0	1,509 14 6
Subscriptions:—		
Members (6,850 in '12, 7,099 in '13)	7,203 0 0	7,453 19 0
Student Associates (436 in '12, 484 in '13)	220 18 0	254 2 0
Life Subscriptions	388 10 0	367 10 0
[*Totals*: 1912, £7,820 8*s.*; 1913, £8,075 11*s.*]		
British Pharmaceutical Codex—Balance of Account	247 8 10	675 7 9
	£16,943 10 8	£18,341 4 5

Balance-sheet of the General Fund, 1912.

The assets of the Society, consisting of ground-rents, freehold house and building in Edinburgh, freehold and leasehold premises in London, Metropolitan Water Board (B) stock, and Port of London Authority (B) stock, amount to 39,237*l.* 2*s.* 8*d.*; sundry debtors, 1,103*l.* 2*s.* 4*d.*; loan to Benevolent Fund, 1,000*l.*; cash balances, 1,287*l.* 19*s.* 11*d.*—total, 42,628*l.* 4*s.* 11*d.* The liabilities are: sundry creditors, 643*l.*; examination-fees in advance, 1,286*l.* 10*s.*; school-fees in advance, 850*l.* 14*s.*; accumulated funds on December 31, 1912, 38,209*l.* 11*s.* 1*d.* Add balance of revenue account, 1,638*l.* 9*s.* 10*d.*, making total of all liabilities 39,848*l.* 0*s.* 11*d.*

The Benevolent Fund.

During 1913 the receipts amounted to 3,005*l.* 8*s.* 1*d.*, made up of subscriptions, 1,405*l.* 6*s.* 4*d.*; ground-rents, 1,320*l.* 2*s.*; dividends, 139*l.* 16*s.*; interest on deposit account, 9*l.* 12*s.*; rent of "The Elms," Strawberry Hill, 122*l.* 14*s.* 2*d.*; rent of land at Shortlands, 7*l.* 17*s.* 7*d.*; making, with the balance of 46*l.* 18*s.* 9*d.* deducted from accumulated funds, a total of 3,052*l.* 6*s.* 10*d.* The expenditure of the latter amount was: on annuities, 1,417*l.* 10*s.*; grants, 1,476*l.* 10*s.*; interest, 99*l.* 15*s.*; stationery, etc., 49*l.* 2*s.* 10*d.*; law, etc., 9*l.* 9*s.*; surveyor's charges, 9*l.* 9*s.* The investments and other assets of the fund are valued at 45,517*l.* 7*s.* 6*d.*

The Orphan Fund

had a revenue of 203*l.* 9*s.*, and 130*l.* 10*s.* was expended on orphans, leaving a balance of 72*l.* 19*s.*

Reports of the scholarships and Waterall Legacy accounts are also given.

The following auditors testify to the correctness of the reports: Messrs. I. Bourdas, Geo. Bult Francis, Charles Hodgkinson, and F. Harwood Lescher.

A Duty of Two Pesos (4*s.* 1*d.*) per kilo. has been fixed on vanilla exported from Mexico.

OBSERVATIONS AND REFLECTIONS.

By Xrayser II.

The "Floating Sixpence"

and the deficiency of the Drug Fund are subjects which the Pharmaceutical Society might usefully take up. It is time the country was shown the real truth about these matters, and this cannot come about unless some central authority takes the work in hand. From the point of view of the panel chemist whose charges have been discounted it is a cowardly proceeding to take refuge, as the Prime Minister did, in the plea that chemists had entered into contracts to do the work; but when the contract has been proved, through no fault of the chemist, to be one-sided and oppressive, it ought to be within the limits of statesmanship to find a way out. The worst of it is that the longer we delay the less chance will there be of getting even. The "floating sixpence" will soon become a vested interest, and in those districts—as, for example, in Scotland and in rural England—where it is not used it will become a perquisite of the doctor for all time, while the underpaid panel chemists may whistle for any chance of improvement ever likely to be seen in their position under the Act.

Criticism

appears to make Mr. Cecil Owen angry, an effect I have frequently observed in those who, like him, are themselves confirmed critics. I am sorry I did not allow for this infirmity in my remarks on Mr. Owen's "Afterthoughts." I ought, no doubt, to have apologised for venturing to differ from such an authority. But having gone so far I must go a little further, if only in self-defence. I pass by Mr. Owen's sarcasms and come at once to the main point, though I confess to some difficulty in finding it in his letter of last week. One phrase, however, does appear to have some reference to the question at issue—the phrase "management by departments." If this is all Mr. Owen contends for, my criticism falls to the ground; but he was discussing the constitution of the conference, and, as I understand the matter, management, whether by departments or otherwise, is not the particular function of the conference. I read in your leader of January, "The principal functions of the conference will be to discuss and decide the main principles for the guidance of a Pharmaceutical General Committee on Insurance." To this Committee, I presume, the duty of "management" falls, and it is here, if anywhere, that the question of departments arises. But general principles are not left to special departments. They are to be, and ought to be, decided by a fully representative body, one and undivided, in which every opinion anywhere current among members of the trade can find expression without incurring a charge of "meddling" (Mr. Owen's own word). We are all interested in Insurance work, whether we are on the panels or not, and the principles which govern it are the principles which govern all dispensing work. I leave it to your readers to decide whether my view or Mr. Owen's is the more "parochial."

The Case of the Prescription

that could not be dispensed at the moment because the pharmacist had not a copy of the "British Pharmaceutical Codex" appears to me to be inadequately described by the phrase "almost trivial." I should say that from one point of view it was trivial to the point of absurdity, and anything but trivial from another. We can hardly suppose it to have been a question of life or death that was involved; the patient would presumably have survived till next morning in any case, and it really is absurd to suppose that any pharmacist can keep in stock every preparation that a whimsical doctor may be pleased to order. This particular one might have been supplied at once on reference to the "Codex," but there are hundreds that could not. The majority of the articles in it are not official, and of these a very large number cannot be prepared extemporaneously or kept in stock without deterioration. Add to these all the possible things from other books which in the opinion of the Sub-Committee are "ordinarily necessary," and the demand virtually made upon us by the intimation conveyed to these offending pharmacists, so far from being almost trivial, is truly appalling.

I am Indebted to Dr. Acheson, of Belfast,

for a reference to a very interesting work, the "Antidotarium Speciale" of Hans Jacob Wecker, from which he quotes several passages relating to the subjects of my recent notes on pil. cochiæ and pepper. These add nothing material to what I said on the former subject, but the account given by Wecker of pepper is extremely interesting, both as being for its date a very good description of the plant and as illustrating the prevailing confusion with regard to the relation of black pepper to white. The plant, says Wecker, is like bryony, and the berries hang together in the manner of grape clusters, but the clusters are smaller than those of the grape, and the fruit itself less and always green until it has attained maturity and been dried. The unripe berries are called white pepper, the ripe ones black pepper. The former is preferred unwrinkled and as heavy as possible; the black should be chosen fresh and very heavy and full. Some of these statements are not easily reconciled with others, but it is not difficult to see how the errors with regard to white pepper arose. The whole description is much too long to quote here. The date of Wecker's book as given me by Dr. Acheson is 1602, and the title as I have quoted it above; but it was first published (posthumously) in 1586, under the title "Antidotarium Generale et Speciale." I find several copies in the British Museum, one of 1588 with the same title as Dr. Acheson's, and another of 1601 with the full title. The first 222 pages of the latter are devoted to the "General" section, the remainder (much the larger part) to the "Special." Wecker was born in 1528 at Basle, where he studied and practised medicine and was Professor of Dialectic. Afterwards he became town physician at Colmar, where he died in 1586.

Principal E. H. Griffiths,

in an address to the Bristol University Colston Society recently, submitted that the discoveries most of our great industries are based upon were made by men searching for knowledge for its own sake, without any thought of financial gain for themselves or others. He began by quoting a toast once proposed in a certain Society: "Here's to science pure and simple, and may it never do a ha'porth of good to anybody"; and contended quite seriously that research must always be conducted in this spirit if it is to produce substantial results. That is to say, that science, like art, must be entirely free to follow its own bent, yielding obedience to its own laws only, without regard to any ulterior object. They who persist in asking, "What is the use of it?" are to be answered as Faraday answered the question: "What is the use of a new-born child?" The historical justification of this attitude Principal Griffiths drew almost entirely from the records of chemical discovery. Most of the discoveries which in their practical application have proved to be of immense value were regarded at first merely as scientific curiosities, and it was long before they found any practical application at all. Thus Wöhler obtained globules of aluminium in 1827, but the metal was not put to any real use until 1860; phosphorus was discovered by Brandt in 1669, but was first used in the manufacture of matches in 1834; Du Hamel demonstrated the identity of the base of common salt with "mineral alkali" in 1736, but it was not until 1790 that Leblanc made any practical use of the discovery—and he died a pauper ten years afterwards. The moral is obvious. Not only is the disinterested search for knowledge worth while as an end in itself, but it is by it that the world advances.

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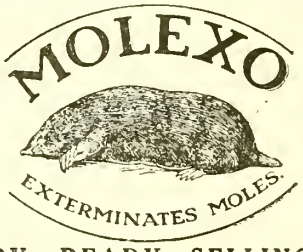

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Editorial Articles.

Chemists' Assistants Bill.

Mr. Glyn-Jones's Bill, providing for the compounding of medical prescriptions by assistants to persons, firms, or bodies corporate entitled to carry on the business of a chemist and druggist, is a much more serious measure than was originally designed by the Pharmaceutical Council. It is wider in application than was expected by the trade as a whole, and contains several proposals which will require the most careful consideration of all sections of the trade. Fortunately, there is little hope for the Bill passing during the present Session of Parliament, so that ample time for consideration and criticism is available; criticism is needful, and we trust that the promoters of the Bill will not take this as being synonymous with opposition. In the first place, it has to be recognised that the Pharmaceutical Council is in honour bound to bring forward a Bill, and occasional reminders are given that it must—

one is reported from Parliament this week. But the Bill wanted is for the express purpose of recognising under the Pharmacy Acts the qualification *pro tanto* of Army dispensers and apothecaries' assistants. The Bill now produced, instead of going straight for that, begins in the very first section to penalise chemists for doing that which they are lawfully entitled to do. Why the Council and its advisers should do this we fail to understand. The words of the section (or clause) are clear and free from ambiguity, we trust. They are :

(2) **"If any chemist employs or knowingly permits any person to act as his assistant in compounding medicine in contravention of sub-section one of this section, he shall be guilty of an offence against this Act."**

Sub-section 1 provides that only registered chemists and persons registered under the proposed Act may be employed by chemists in compounding medicines prescribed by medical practitioners. This is novel; it makes penal what is at present lawful under the Pharmacy Acts. We want to know why? Also the reasons for applying this new penal provision to registered chemists and to no other traders. It does not apply to drug-store keepers or to any person, company, or firm not carrying on business in accordance with the Poisons and Pharmacy Act, 1908. There is nothing in the Bill which makes it illegal for such unqualified persons, etc., to compound any medicine prescribed by a medical practitioner; and so long as medicines do not contain scheduled poisons they are permitted to continue compounding them as now, but the registered chemist is not! Again, it will be observed that the phraseology of Sub-section 2 differs from that of Sub-section 1; the first Sub-section says :

"*Compounding any medicine prescribed by a duly qualified medical practitioner.*"

The second sub-section says :

"*In compounding medicine in contravention of Sub-section one.*"

This may or may not be restricted to compounding of medical practitioners' prescriptions; if restricted, we would prefer to have it so stated fully, and not have it left to lawyers and law courts to tell us in after-years that any and all compounding of medicines done in chemists' shops must be by registered men. Another point : We are not certain that compounding by wholesale chemists, companies, and firms *entitled* to carry on business in accordance with the 1908 Act are not hit at by the new provision. Many wholesale houses are so entitled, but few of them do carry on the retail business. On the other hand, some retailers carry on wholesale business. Where in such concerns will the provision not strike? We cannot tell from the wording of the Bill; if it does not strike it will need forensic skill to prove it, and that is not a good thing after a Bill becomes law, so now is the time to decide. We do not propose at this time to go further than the first clause of the Bill, and the only other point to which we call special attention is that the clause will in practice prevent chemists employing as apprentices persons who have not been registered as apprentices by the Pharmaceutical Society. There is a certain limitation in the clause, but that is what we conceive will be the effect of the provision in practice. Why this fresh penalty upon chemists, and chemists only? We print the Bill in full on pp. 34-35. There is much more in it that demands remark and some criticism. Every chemist should study it well and speak out now *pro* or *con*, for the interests of the trade are vitally affected.

Mr. W. Huntrods, President of the Incorporated Society of Pharmacy and Drug-store Proprietors of Great Britain, Ltd., stated at the annual dinner of the Nottingham Branch that seven members of Parliament (not including Mr. J. O'Grady, M.P., who is too ill to attend to his parliamentary duties) have expressed their willingness to block the Bill. Mr. Huntrods added that the Bill is detrimental to the interests of his Society's members, but how he knows that is more than we can tell. He made the statement a fortnight ago, at which time, as far as we are aware, no one outside official circles even knew what was to be in the Bill; in fact, the terms were only agreed to finally at the Pharmaceutical Council meeting on Wednesday afternoon. This may not matter to Mr. Huntrods. It is said that the first question that a reputed Irishman asked when he landed in New York was, "Is there a Government here?" and when answered in the affirmative he exclaimed, "Then I'm agin it." So whatever the Pharmaceutical Council propose, we may reckon that Mr. Huntrods will be against it.

Still-licence Exemption.

New regulations of the Customs and Excise Commissioners relative to stills place for the first time the question of licence exemption in a simple and clear manner. In our issue of November 15, 1913, p. 50, we referred to the introduction of a special form of application for the use of a still free of duty. This form requires the following particulars :

(1) Name. (2) Place where still or stills are kept. (3) Parish. (4) County. (5) Still or stills: number; content of boiling-chamber of each ordinary still—gallons; capacity per hour of distilling-apparatus—gallons; purpose for which each is to be used.

These particulars have to be attested by the applicant, who undertakes to permit any officer of Customs and Excise to visit the premises and inspect them and the stills at any time; the applicant also undertaking that he will not keep or use spirits or mixtures thereof at the premises where the still is used. This condition practically excludes retail chemists from the exemption, but some have succeeded in obtaining it when the nature of the premises excluded the possibility of their using the still for fraudulent purposes. The exemption is only from the 10*s*. yearly duty, and is perhaps not worth any pharmacist's troubling about; but there are others in the drug-business or allied to it who benefit by the revised regulations. The first of these states that where the use to which the stills are habitually put renders them unsuitable for use in the distillation of potable spirit—*e.g.*, tar-stills, gas-retorts, alkali-stills, petroleum and benzene stills, pitch-refining stills, stills for turpentine "foots" recovery, etc.—the exemption will be given. In the case of stills kept at alkali or other works to which the Alkali, etc., Works Regulation Act, 1906, applies, inquiry will be made by local officials as to the Local Government Board's stamped certificate of registration. The second regulation is the one which directly interests retail chemists, since it is in regard to the application of the exemption to stills used solely in the distillation of water. The revised regulation is in the old terms—viz., that exemption is given where the still is used solely for the production of distilled water and is of an actual capacity not exceeding one gallon. It may be added that by "actual capacity" is meant, not the working capacity, but the full content of the distilling-chamber. The third exemption is that no still-licence is required where the still does not exceed one quart in capacity and is used by (*a*) a private analyst

for research or other scientific purposes, (*b*) a brewer for ascertaining original gravities and for other scientific experiments connected with his business, (*c*) a wine or spirit merchant for ascertaining strengths of his wines or the "obscuration" of his brandy, rum, etc. The next exemption is a familiar one, and applies to recognised analytical chemists, teachers, and professors. These persons are not restricted as to the size of stills used in the *bonâ-fide* exercise of their profession. One important proviso attaches to this particular class—viz., that in no case must the chemist carry on any trade or business which involves the manufacture from or with potable spirit of any article for sale. Lastly, public hospitals, institutions, etc., controlled by local authorities may use stills without payment of licence-duty. Any chemist who finds that these regulations exempt him from payment of the 10*s*. duty should make application for exemption on Form 3.

Dr. Luff's Gout-pill.

The figure indicating the amount of colchicine (*one-seventieth of a grain*) in Dr. Luff's prescription for a gout-pill dropped out from the type, so was not given in some copies of the *C. & D.* last week. The paragraph (p. 66) is therefore reprinted:

"A most effective combination for the internal treatment of *acute and subacute gout* is a pill containing colchicine $\frac{1}{70}$ grain, sugar of milk $\frac{1}{2}$ grain, extract of nux vomica $\frac{1}{4}$ grain, extract of hyoscyamus $\frac{1}{2}$ grain, and extract of gentian sufficient to make the pill. The object of the sugar of milk is to allow the colchicine to be triturated with it before working it up with the extracts, as otherwise the minute amount of the alkaloid would not be evenly diffused throughout the pill-mass, and so the risk of a poisonous dose of colchicine getting into one pill might be incurred. One pill is to be taken every three or four hours, according to the severity of the attack, which is rapidly relieved by this treatment.

Subscribers should note this matter in their copies of the issue of March 28.

Surplus Money.

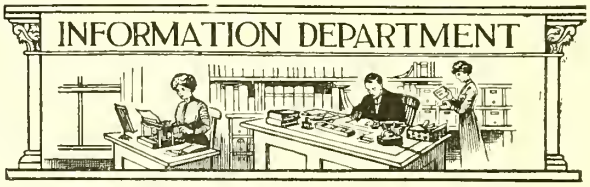
The Pharmaceutical Society of Great Britain is singularly fortunate in having statutory duties entrusted to it along with the revenue attached thereto. According to the financial statement submitted to the Council this week, the receipts from examination and registration fees amount to 7,497*l*., and the expenditure on examinations was only 1,907*l*., thus showing a gross profit of 5,507*l*. This fine balance is due chiefly to the Minor examination fee, which was increased to ten guineas some years ago when the Society was very hard up, and it was explained that the ten guineas includes a perpetual registration-fee. This should not be forgotten, especially as the first step in annual registration-fees is taken in the new Bill. We do not see how that can be carried further, unless the Society break faith with Minor men, who have paid sweetly for what they get. Besides, the Society's accumulated funds are entirely due to examination and registration fees.

Medical Claims.

Medical men are not remarkable for modesty when delimiting the boundaries, if there are any, of the profession. The General Medical Council claims to reserve sight-testing as a function of the surgeon, although, as pointed out by Dr. W. Ettles, practically all the advances in ophthalmic optics have been made by laymen. We note also that "The Lancet" regards as "pernicious" the suggestion that dentistry should be freed from the control of the General Medical Council. States "The Lancet":

Dentistry is a specialised application of surgery, and the true course of evolution is to free it from the "semi-medical course" by subjecting it first to an entirely medical course, with special study subsequently, as in the case of any other specialised department of the art of medicine. Such an ideal may perhaps not yet be within reach of attainment, but the reverse course would be a fatal retrogression.

How simple it is to define dentistry to suit one's argument! The same process could be applied to pharmacy, or even to hair-cutting.



Postal Address:
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMICUS CANNON LONDON" (two words).
Telephone Number: BANK 852 (two lines).

INFORMATION WANTED.

Postal or telephone information as to the names and addresses of the agents for or makers of the undermentioned articles is solicited. Please address as above.

176/3. "Caffeinalid."
175/4. Ede's Brunswick black.
172/44. Randall's Viking buckskin-cleaner.
172/440. Akroyd nail-polish.
172/441. "Kattle Kure."
172/442. Thompson's nursery soap.
172/443. Aspinall's tonic food.
172/444. "White Tulip" soap.
176/71. "Peerless" throat-spray.
176/72. "Marvela" (liquid preparation for neuralgia).
177/4. Crank's (or Krank's) lather-cream.
180/8. Muncktell's filter-paper.
181/11. Schutte's hair-remedies.
180/47. Vennum tablets.
180/470. Bauer's Aretic essence.
180/471. "Secomber."
180/472. William's starch-glaze (1*d*. blocks).

INFORMATION SUPPLIED.

Inquiries in regard to the following articles have been answered. The information will be given to others who send a stamped and addressed envelope for it to the above address.

"Ajax" hair-restorer, 177/69
"Ariel" vaporiser, 176/4
Ariston cloudiser, 167/17
Atwood's bitters (London agents), 170/41
Babcock's toilet proprietaries, 175/48
Bagley's patent "Baby Doser," 162/28
Baker's pharmaceutical machinery (for Holland), 155/55
Bandage-cutting machines, 159/68
Benzoinaquol, 169/20
Be naert's photographic dry plates, 175/33
Besorbon (Hill), 156/27
"Bijou" typewriter, 157/54
Bissulin, 180/17
Blanchard's snowdrift, 162/59
Blokusewiski's "Samariter," 177/74
Brooke, Simpson & Spiller's successors, 175/60
"Bux," 157/5
'Cadum, 177/5
California syrup of figs, 179/5
"Caliqso," 164/35
Carbolineum Avenarius, 169/18
Carbon bisulphide (for export to West Indies), 160/50
"Caro" cream, 162/59
Delectol, 179/73
Dermalon, 167/68
Jackson's penetrating liniment, 172/440
"Kerol" capsules, 168/72
"Kiwi" preparations, 162/593
Lactagol, 161/171
Leitz microscopes, 157/25
Lemon-peeling machinery, 157/52
Liantral, 161/69
Lilien milch soap, 164/17
Liq. alsoli, 169/24
Liq. bismuthi (Schacht), 166/15
Liq. calcis iodinati, 170/42
"Minyon" floral toilet preparations, 117/66
Mylocal, 172/20
"Nip Nip" nail-nippers, 167/48 and 167/31
"Nyal" face-cream, 172/441
Oxy-gar, 172/5
Potash chlorate, crude and pure (for South Africa), 160/48
Potash nitrate, crude and pure (for South Africa), 160/480
Pumice-powder (in ton-lots), 158/33
Pyorrhocide, 176/45
Radiol, 180/10
Stomoxygen tablets, 175/3
Sulfoform, 176/27
Thallasol, 180/15
Vitalex, 172/44
Wilkinson's razors, 178/61
Willow and wooden pill and ointment boxes, 170/27
Wooden boxes, small, with holes drilled through (for packing bottles), 171/32

Dispensing Difficulties.

THE subject of the paper by Mr. Harold Wyatt read before the Liverpool Chemists' Association is one with which the author is very familiar, his papers on dispensing having been a feature for some years of the meetings of this Association. We quote from the latest :

I.

Thyroprotein Beebe, 2 per-cent.	gr. ½
Zinci sulph.	gr. iv.

Make small pills (coat with keratin)

II.

Bismuth. subnit.	gr. j.
Pepsini	gr. j.
Ext. aloes barb.	gr. ss.
Acidi carbol.	gr. ss.
Ext. nucis vom.	gr. ss.
Ol. absinthii	gutta

Fiat pilula. Mitte xxiv.

III.

Creasoti	mss.
Pulv. rhei	gr. j.
Saponis	gr. j.

Ft. pil. Mitte xxiv.

IV.

Calcii chlor.	gr ij.

Fiat pilula. Mitte xxiv.

V.

Ext. ergotæ	gr. iss.
Acidi arsenicosi	gr. 1/30
Strychninæ	gr. 1/36

Ft. pilula.

I. The sulphate was dehydrated by means of carefully applied heat, and when cold the thyroprotein was added, and the whole massed with a little tragacanth-powder (1 grain to twenty-four pills) and enough glucose. As there was no time to coat with keratin, owing to the patient having to leave by boat, they were varnished with a saturated solution of salol in ether sandarac pill-varnish, and turned out very well, kept their shape, and were of fine appearance.

II. This mass was rather bulky when made with liquorice-powder and soap, so powdered chamomile-flowers and soap were used, with better results. The best way of making a small pill is to put the powdered ingredients into hard gelatin capsules and drop the oil of wormwood on the powder.

III. The addition of white wax, 6 grains to the twenty-four, made a firm, workable mass.

IV. This made a good pill with tragacanth 8 grains and liquorice-powder 40 grains, or, if a smaller pill be wanted, use white wax and enough anhydrous lanoline to render the mass plastic.

V. The only question arising over this example is the varying size of the pills turned out from different pharmacies on this formula. This is due to the great latitude taken in interpreting the Pharmacopœia's meaning of a "soft extract," as seen in pharmacy. Extract of ergot is anything from a pilular consistence when fresh to a thin syrup after being in stock for a time, and this is owing to the amount of sodium chloride and other hygroscopic substances it contains. The best way to obviate this uncertainty would be for the Pharmacopœia to order evaporation on a water-bath until the extract ceases to lose weight, and so justify dispensers in reading the amount of extract in a prescription as evaporated and dried ergot extract.

VI.

Veronal	gr. v.
Sulphonal	gr. x.

Fiat cachet.

VII.

Menthol.	gr. viij.
Cocainæ puræ	gr. ij.
Petrolei mollis albi	ad ʒj.

Fiat ung.

VIII.

Atropinæ sulph.	gr. ss.
Hydr. oxidi flavi	gr. iv.
Paraffini mollis ad	ʒiv.

Ft. unguentum.

IX.

Ext. bellad.	gr. ½
Ichthyol.	gr. j.
Acidi tann.	gr. ij.
Ol. theobrom.	q.s.

Ft. suppositorium.

VI. When these ingredients are rubbed together they rapidly become electrified, in the same fashion as do salol, phenacetin, thymol, etc., and the powder clings to the pestle, the sides of the mortar, and to the paper in such an obstinate manner as to render it very difficult to work with satisfactorily. A tip well known among tablet-makers overcomes this little trouble very easily, and that is to add a little powdered talc or heavy liquid paraffin before powdering.

VII. To avoid loss of menthol in this and similar preparations, such as nebulæ, warm the base with the alkaloid until solution takes place, and then pour it and the menthol into the ointment-jar, put on the lid securely with a piece of tinfoil or parchment-paper over the mouth of the jar, and shake until the menthol is dissolved and until the ointment becomes cold.

VIII. Use the alkaloid instead of its salt, and dissolve in the warmed base; allow to cool, and then rub in the oxide. Made in this way the ointment never irritates.

IX. This is best made in the cold and pressed into the mould well dusted with talc, starch-powder, or lycopodium.

X. Rub the emulsion in a mortar with an equal amount of the chloroform-water, then add the tincture little by little, and pour into the bottle containing the other ingredients and the rest of the chloroform-water.

X.

Tinct. guaiaci amm.	ʒv.
Sodii iod.	gr. xl.
Sodii salicyl	ʒij.
Emuls. petrolei	ʒij.
Sodii bicarb.	ʒiv.
Aq. chlorof. ad	ʒviij.

Misce fiat mistura.

XI.

Sodii salicyl.	gr. 160
Pot. bicarb.	gr. 160
Tinct. ferri perch.	m160
Aquam ad	ʒviij.

Misce fiat mistura.

XII.

Ammon. benz.	gr. x.
Caffeinæ citr.	gr. iij.
Ferri et quin. citr.	gr. x.
Aquam ad	ʒss.

M. ft. mist. Mitte ʒvj.

XIII.

Calcii chlor.	ʒiij.
Sodii salicyl.	ʒij.
Syrupi limon.	ʒiss.
Aquam ad	ʒvj.

Ft. mist.

XI. This makes a clear mixture if the salts be dissolved in half the water, and the tincture mixed with the other half be then added. Allow to stand a few minutes before corking up, as there is a considerable amount of carbonic gas given off.

XII. A precipitate of benzoic acid forms in this, and then quinine benzoate separates as a gummy mass clinging to the sides of the bottle. The citric acid liberated from the caffeine citrate by hydrolysis is the primary cause of the benzoic acid making its appearance, so it is best to use half the amount of the alkaloid caffeine, instead of the citrate, dissolved with the ammonium benzoate in 4 oz. of water to which mucilage of acacia ʒss. has been added, and then pour the iron salt into this in solution in the rest of the water with another ʒss. of mucilage. This will give a mixture with an evenly suspended precipitate of quinine benzoate.

XIII. The syrup of lemon, if of the full strength, in citric acid gives in this a precipitate of free salicylic acid, and ultimately a deposit of calcium citrate. The best way to avoid the separation of the salicylic acid is to use lemon-flavoured simple syrup containing no citric acid.

XIV.

Liq. hydrarg. perchlor.	ʒiv.
Sp. ammon. arom.	ʒiv.
Tinct. auranti	ʒij.
Aquam ad	ʒxij.

Ft. mistura.

XV

Liq. morphinæ	ʒiss.
Tinct. chlorof. co	ʒiv.
Aq. chlorof. ad	ʒiv.

Misce ft. mist.

XIV. These ingredients are chemically quite incompatible, and are bound to produce a precipitate which is most likely a compound mercuric ammonium. To avoid the possibility of danger, mucilage of acacia ʒj. should be added as in Prescription XII.

XV. A precipitate of chloroform comes out in this, as there is equal to ʒj. of spirit of chloroform or ʒx. of chloroform-water, B.P. 1885 (a nearly saturated aqueous solution of chloroform). Mucilage may be added to suspend, or, better still, a little tincture of senega—say, ʒij.—to emulsify the precipitated chloroform.

(*To be continued.*)

PERSONALITIES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

Mr. and Mrs. Sydney H. Stroud sailed on March 27 for Australia by the s.s. *Omrah*.

Mr. D. Hooper, F.I.C., F.C.S., who since his return from India has been residing with his family in Weston-super-Mare, visited London this week.

Mr. David Reynolds (Messrs. Goodall, Backhouse & Co., Southwark, S.E.) has been elected Vice-Chairman of the London Commercial Travellers' Benevolent Society.

Mr. W. Bates, President of the Southampton Pharmacists' Association, who was the runner-up for the cup in the Conference golf-match at Ealing on March 7, won his entrance to the knock-out, and on March 28 won his heat in the semi-final for the Jaques Cup at Stoneham Golf Links. He and the Vice-President of the Association (Mr. W. Martin) will be glad to arrange a friendly game with golfing chemists in the forenoon of Wednesday, April 29, when the Hampshire Pharmacists' Association meets at 6.30 p.m., followed by the Southampton Association's dinner at 8.30 p.m.

In connection with an epidemic of poisoning of dogs and cats the Chief Constable of Fife has instructed his men to call upon all chemists in order to ascertain if the poison was procured in the county.

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

Panel Chemist Types.

The Optimist.

The great thing to remember, my dear fellow, is just this,
That we've *got* it and we ought to keep it tight;
After years of painful striving we have reached the stage of bliss
That gives us The Dispensing as our right.

No need to talk such tommyrot of how the thing will pay:
What is there pays in this our bally trade?
Just let us play the game, and hope for our reward some day.
You chaps all seem so abjectly afraid.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

Birmingham. — The Insurance Committee met on March 25, when it was decided to increase the payment from the Sanatorium Benefit Fund to the Drug Fund from 178*l.* 15*s.* to 268*l.* The Chairman of the Finance Sub-Committee (Councillor Marks) said the Sub-Committee felt so strongly on this matter that they had asked chemists not to dispense prescriptions which did not state to which fund they should be charged. He added that one million Insurance prescriptions were dispensed last year—about three and one-third per insured person. The result of such a large consumption of medicine was that there was a shortage in the Drug Fund. As to the cost of prescriptions dispensed, the Sub-Committee thought it was possible some of the doctors were having a new experience, and it might be new to them to have to prescribe some of the expensive drugs which had been dispensed during the year. But they could not help feeling there had been a little recklessness in the matter of dispensing. No one on the Committee wished to withhold an expensive drug if it was right and proper to dispense it. What they wanted to point out was that it was not usual to drink champagne out of a quart pot. The Committee also thought insured persons should "moderate their transports" in their taste for drugs. Councillor Poole, chemist, pointed out that in Birmingham there is a large number of a very low-paid class of female operatives. He did not think the doctors had been prescribing extravagantly. As soon as the doctors and pharmacists became familiar with the situation there would be no difficulty. Dr. Riley Ratcliffe said there was a thirst for drugs locally, especially among Birmingham women. The Medical Committee, when the Act first came into operation, drew up a Pharmacopœia for the guidance of chemists. It had been found that some of the prescriptions, though they were physiologically excellent, were rather high in cost, and therefore it had been decided to recast the Pharmacopœia in the light of finance. The Chairman said two committees had been considering the causes for the shortage of the Drug Fund, and doctors and chemists were also working at it.

Blackburn.—A deputation waited upon the Attorney-General (Sir John Simon) during his recent visit to this town to bring to his notice the shortage in the Drug Fund. The deputation included Alderman Houlker Watson (Chairman of the Insurance Committee), Mr. R. L. Gifford, J.P., and Messrs. W. H. Grimshaw and C. Critchley (representing the N.E. Lancs Chemists' Association). Sir John was told what action had already been decided upon at the recent conference of Insurance Committees (*C. & D.*, March 14, p. 92), and recalled the statistics given there. The Attorney-General took many notes, and promised to lay the arguments before the Chancellor of the Exchequer and Mr. Masterman. The deputation emphasised the large proportion of insured women in Lancashire, and the high sickness rate, which is largely attributable to the type of work upon which the women are employed. Suggestions were also made for the nationalisation of the Drug Fund. Sir John said he was not very conversant with the technical details of Part I. of the Act, but he would have pleasure in reporting the opinions he had heard to the proper quarter.

Bolton.—The deficit in the Drug Fund came under discussion at the meeting of the Insurance Committee on March 26, and Mr. J. W. France said he thought they ought to make some representation to the Commissioners for some money, so as to be able to pay the chemists' account. Councillor P. Knott, pharmacist, said there was going to be a further conference of the Lancashire Insurance Committees on the matter. If an appeal for money came from them it would have greater effect upon the Commissioners in their decision. A request for administrative expenses from the Panel Committee was referred to the Pharmaceutical Committee for their observations, and the Panel Committee is also to be requested to furnish a provisional estimate of their expenses during the current year, giving details of the chief items.

Bournemouth.—A report made to the Insurance Committee on March 24 stated that chemists' claims for 62,949 prescriptions dispensed during the year ended January 11 amounted to 2,052*l.* 11*s.* 2*d.*, and after checking the total was reduced to 2,014*l.* 18*s.* 5*d.* Of the prescriptions, 189, amounting to 7*l.* 8*s.* 3*d.*, had been given in respect of temporary residents. The Drug and Drug Suspense Funds amounted to 2,370*l.* 16*s.*, an amount sufficient to meet the liabilities of the past year and leave a substantial balance. The average price per prescription was 7.68*d.*

Bradford.—Mr. R. T. Silson presided at a meeting of the Bradford Pharmacists' Association on March 26, when the Secretary (Mr. C. Robinson) read a letter which had been distributed by the Bradford Panel Committee to the doctors, drawing attention to extravagant and over prescribing, and stating that it was thought that the deficit of 917*l.* on the Drug Fund in 1913 was attributable in some degree to (1) prescribing proprietary preparations, (2) medicines being repeated at unduly short intervals, and (3) ordering of large quantities of medicines or materials at one time. The doctors were reminded that the chemists could obtain the surcharge of doctors' accounts if they could prove that there had been over or extravagant prescribing, and the amounts so deducted would be placed to the credit of the Drug Fund for the benefit of the pharmacists. The President stated that the Pharmaceutical Committee of the Association had decided to recommend the members to supply particulars of the total number of prescriptions made up by them, the average amount per prescription, and the total amount of each doctor's drugs each quarter, in order that they might find out who are the delinquents. Mr. F. W. Penty proposed "that every member of this Association dispensing under the National Insurance Act shall furnish a detailed account at the end of each quarter, giving the number and value of each doctor's prescriptions; where there is a partner or assistant only one account to be given." Mr. Waddington seconded the motion, and after a discussion, in the course of which Mr. W. H. Smithies stated that he thought the only action pharmacists could take to get doctors to discontinue extravagant prescribing was by interviewing them, and not by trying to coerce them, it was carried, with five dissentients, but it was agreed to hold another meeting of all the panel chemists on March 31, so that the desired unanimous vote might be obtained.—At the meeting on Tuesday Mr. Silson again stated the position in regard to the matter, and the risk of heavier discounting even than had been experienced in the past year, pointing

out that, while no doubt Bradford is somewhat peculiar by reason of the preponderance of women workers, it is undoubtedly the fact that the main cause of the trouble is excessive prescribing; and the question for them was whether or not it was worth while to attempt some means of dealing with the over-prescribing, and, if the answer was in the affirmative, whether they could carry out the proposal of the Pharmaceutical Committee. The Secretary (Mr. C. Robinson) stated, in answer to inquiries, that the yield of the circular to the members asking for their opinion on the proposal of the Pharmaceutical Committee was eight votes for the proposal, five against, and one neutral. Mr. Parker said that that meant that the proposal could not possibly be worked, because it was impossible to get proof of over-prescribing against any doctor unless his prescriptions were obtained from all the chemists. It appeared to him that the only thing that could be done was for each chemist to approach on the question the doctors with whom he came into contact. The doctors were in the uppermost position, and could only be dealt with by persuasive means. Mr. D. S. Priestley said that the great difficulty about carrying out the proposal of Mr. Penty was the seeming impossibility of unanimity. While there were members who would neither attend meetings nor answer circulars they could do nothing but go on suffering the discounting, until the process touched such members sufficiently to induce them to take an interest in measures for amelioration. He felt, however, that their position was weak in regard to any ultimate appeal to the Commissioners to make up the deficit, unless they had first tried all the means provided by the Act as it stood. Possibly they might try the Manchester scheme, which seemed to be working satisfactorily. Mr. Penty said it was clear that his proposition could not be carried out, but he thought they might do a deal of good by each member making out a list of the higher-priced prescriptions, so that the Panel Committee could be informed of these in detail. The President pointed out the necessity of exact proof if they were to allege over-prescribing against particular persons, and said that without such precise evidence the Panel Committee was quite powerless. Mr. Jackson pointed out the impracticability of the suggestion that each chemist should ask the doctors to reduce the prescriptions that were coming to him, remarking that they were all bound to be more or less selfish, and knew that others who were competitors would not do this, and therefore the results would not work out equitably. Eventually it was decided that no action can be taken at present.

Brighton.—At the meeting of the Insurance Committee on March 26 it was stated that the complaints by two chemists of a panel doctor directing patients to particular chemists had been withdrawn, in order that it might be considered by the newly constituted Pharmaceutical Committee.

Derbyshire.—A return made to the County Insurance Committee on March 30 showed that the total number of Insurance prescriptions dispensed was 334,980. For these 9,949*l.* 15*s.* 3*d.* was claimed and 9,914*l.* 16*s.* 10*d.* allowed. The average amount of each account was 84*l.* 14*s.* 10*d.*, and the cost per prescription 7.103*d.* There were 117 accounts, the highest for the year being 548*l.* 6*s.* 11*d.* and the lowest 2*d.* The Finance Committee called attention as outstanding features to the liberal use made of appliances and the prescribing in some parts of the county of preparations from wholesale chemists, most of which could be replaced by preparations made according to formulæ in well-known books of reference. In one district a saving would be effected if pills were prescribed according to Tariff, and in another they suggested the discontinuance of the use of concentrated infusions. While not questioning the accuracy of the return, Mr. C. W. Ridyard (Secretary of the Derbyshire Pharmaceutical Association) thought it would be more useful if the average cost of dispensing per thousand insured persons had been shown. The liberal ordering of dressings he attributed to the frequency of accidents in the colliery districts. In answer to a question, it was stated that chemists' accounts were checked by an expert at a cost to the Committee of approximately 150*l.* a year. Mr. Ridyard remarked that that sum could be entirely saved by entrusting the work to the Pharmaceutical Committee.

Devonport.—The local Medical Committee have asked the Medical Benefit Sub-Committee to arrange with panel chemists for distilled water to be used only when specified in Insurance prescriptions. The Sub-Committee resolved that the Clerk be instructed to communicate with the Pharmaceutical Committee, stating "that distilled water should only be used in the dispensing of prescriptions when specified, or when the nature of the prescription required the same." At this week's meeting the Clerk reported that the whole of the prescriptions had been checked. The Drug Fund is ample to pay the chemists, and a balance of over 150*l.* will be divided among the doctors. The 2½ per cent. retained will give the Committee ample margin.

Dorset.—A meeting of the County Association was held at the London Hotel, Poole, on March 25, with the President (Mr. R. H. Groves, Blandford) in the chair. Communications were read from Messrs. Boots, Ltd., and the Timothy White Co., Ltd., about the representation of company pharmacy on the County Pharmaceutical Committee, the recent election resulting in no company representative being returned. It has been agreed to avoid an election in July by the Association nominating the exact number required; one of these is to be a company representative. Letters were considered from makers of proprietary medicines who declined to put their articles on the protected list. Mr. Rowe (Wimborne) wrote asking what opportunities were afforded for checking the doctors' lists of insured persons for whom they dispensed. The Hon. Secretary (Mr. J. W. Cussons) reported that the Clerk of the County Insurance Committee was quite willing for all the doctors' lists to be checked by the Pharmaceutical Committee. As the members of this Committee could not know personally all the districts in the county, any chemist could arrange, through Mr. Cussons, to inspect those lists which might affect his area. Mr. H. Ayre, as Chairman of the Pharmaceutical Committee, presented a report from this Committee, which referred chiefly to the agreement made with the Medical Committee *re* "rep. mist." (*C. & D.*, March 28, p. 70). Mr. Ayre said chemists could only be bound by this agreement so long as no question arises as to free choice of chemist, and no objection is taken by the Insurance Committee for checking purposes. The Hon. Secretary briefly reported on the Insurance Conference on January 21, which he attended as the Association's delegate, and also referred to the work of the National Executive Committee, of which he had been elected a member. In a discussion on Parliamentary representation, stress was laid upon the likelihood of discussions affecting pharmacy arising in Parliament on Insurance topics. It was unanimously resolved: "That an endeavour should be made to get a chemist elected on both the Unionist and Liberal sides." The Hon. Secretary was instructed to circularise local chemists asking for subscriptions towards the Parliamentary Fund. Each member present subscribed half a guinea, making a sum of 5*l.* 15*s.* as a nucleus.

Essex.—The Drug Suspense Fund having declined to about 2½*d.* in the last quarter of 1913, Mr. H. H. Tompkins (Secretary of the Panel Committee) was instructed in February to issue a report with suggestions to panel doctors, advising that they should order from the Tariff list as much as possible, should refrain from ordering two 6-oz. bottles when one 12-oz. bottle would do, and also to be careful to order the exact quantities of dressings, etc. A sub-committee was appointed to look into these matters, and it reported to a meeting of the Panel Committee on March 12, when the form of report on extravagant dispensing was decided upon, and the following is the text of a circular which has since been issued, but has not been approved by the Pharmaceutical Committee:

Dear Sir,—In consequence of increased use of proprietary articles and of large quantities of drugs, the average cost of drugs per head has risen in the last quarter to 2*s.* 2*d.*, with the result that the "Drug Suspense Fund" (undiminished in the earlier part of the year) has decreased to about 2½*d.* from 6*d.* The Panel Committee recommends that practitioners do not order:

1. Proprietary articles (see list below).
2. Or unnecessary large quantities of drugs, emergency dressings, etc.
3. Or repeat mixtures without giving date of reference (absence of date prevents checking prices).
4. Or two 6-oz. bottles when a 12-oz. will do (dispensing costs 2*d.* each 6-oz., 3*d.* a 12-oz., and the cost of 1 dram split in two parts is double that of a single dram in a 12-oz. bottle).
5. Or ointment by the lb.; for chemists divide the lb. into 11 if pricing an oz., and then multiply by 16 again to get the pound.
6. Or dressings thus: "12 inches," as chemists may send 12 in. square or 12 in. a yard long. Order 12 in. by 6 in., or what size is wanted, distinctly.
7. Or emergency dressings wholesale, but in quantities required.

But remember

1. To order from the Tariff list when a drug is wanted in it, for by doing so the proprietor's profit is saved and 33 per cent. profit to the chemist also, all dead loss to the Drug Fund.
2. To order 6-oz. and 8-oz. bottles, or 12-oz. if twenty-four doses are required.
3. That a complaint by a chemist of "extravagant prescribing" must be inquired into, and that the regulations provide for deducting the cost of drugs from the doctor's capitation-fee.

Note.—Regulation 40, 1 and 2, *re* "Excessive Ordering of Drugs" . . . . "the Panel Committee may, and if any representations to that effect are made by the Pharmaceutical Committee shall, make an investigation into the circumstances of the case" . . . . "the Panel Committee shall

report to the Insurance Committee . . . . (who) may make such deduction from the amount payable to that practitioner by the Committee as they may think fit, and shall pay the amount so deducted to the Drug Fund."

[Here a list is given of thirty-one articles, chiefly proprietaries, "recommended to be disallowed."]

Prescriptions for tuberculous persons should be marked "S. B." to prevent the charge going to the Drug Fund. This is important.

At the last meeting of the Insurance Committee the Medical Benefit Sub-Committee recommended that application be made to the Commissioners for authority to allot a sum not exceeding ½*d.* in respect of each insured person entitled to obtain medical attendance and treatment from practitioners on the panel to the Panel and Pharmaceutical Committees for the period to end July 15. This was agreed to. The unallocated money has been paid over to the Essex doctors.

Forfarshire.—At a meeting of the County Insurance Committee in Forfar on March 28 the Medical Benefit Sub-Committee reported that the Panel and Pharmaceutical Committees had recommended that no change should be made as to doctors dispensing for patients in rural areas. The Clerk reported that doctors in Alyth, Glamis, Laurencekirk, Letham, Liff, Newtyle, Friockheim, and Edzell had so dispensed. Dr. Muckart (Coupar Angus) also desired to do so. The Pharmaceutical Committee protested against any doctor being allowed to dispense to persons on his list where a doctor and a chemist carry on business in the same place. The matter was referred back to the Sub-Committee, after a long discussion about the mile radius and a defence of chemists' interests. It was agreed to grant an additional *pro rata* retrospective payment of 10 per cent. on the amount of the accounts of individual chemists up to January 15, 1913, and to pay them for the current year to the extent of the full amount of their individual accounts. The Secretary's report for 1913 showed that the amount available for Medical Benefit for 1913 is estimated at 10,935*l.* 5*s.* At the end of the year there were seventy panel doctors, sixty-six panel chemists, and four appliance-makers. Ten doctors on the panel have done their own dispensing. During the year 36,202 prescriptions were dispensed at a cost of 1,411*l.* 9*s.* 11*d.*, the average value of each prescription being 9.35*d.*

Glamorganshire.—The Insurance Committee has decided to pay in advance 90 per cent. of chemists' accounts, instead of 75 per cent. as hitherto.

Hull.—The Insurance Committee has adopted standards of quality in regard to the appliances which have been added to the prescribed list. With reference to proprietary medicines, it has been decided by the Medical Benefit Sub-Committee that it would not be open to the Committee by means of an arbitrary decision to deprive an insured person of any medicine to which he might otherwise be entitled, although it was their duty to exercise due economy. The Sub-Committee wish the matter to be further considered, and it has been referred to the local Panel and Medical Committees.

London.—A special meeting of the Insurance Committee was held on April 2 to consider a motion by Mrs. Handel Booth regarding the distribution among doctors of unallotted funds, but it was announced that the opinion of Mr. Danckwerts, K.C., on the matter had just been received. He held that the Committee cannot proceed to distribution; practitioners are only entitled to money provided for in their contracts. Members of the Committee would be personally liable if the money were distributed; it could not be returned to insured persons, but it might be used, under certain conditions, to provide nursing. The meeting adjourned.

Orkney and Zetland.—The following are the members of the Orkney County Pharmaceutical Committee: B. Heddle, Albert Street, Kirkwall; J. Ritchie, Victoria Street, Stromness; and D. M. Wright, Albert Street, Kirkwall. There are two vacancies. The members of the Zetland County Pharmaceutical Committee are A. L. Laing, 101 Commercial Street, Lerwick, and A. L. Porteous, Union Bank Buildings, Lerwick.

Oxford.—At the meeting of the City Insurance Committee on March 27, Mr. W. King complained of the inadequate supply of surgical appliances. He proposed that the suggestion that a depôt should be established for certain appliances should be adopted. The Chairman said the Finance Committee had had correspondence with the Commissioners on the subject, who replied:

"Committees are empowered under the regulations to lend prescribed appliances only, but it is the opinion of the Commissioners that until the financial position can be definitely ascertained as a result of experience during a period sufficiently long to show the extent of the liabilities to be borne by the Drug Fund in respect of the supply of medicines, it is undesirable that your Committee should take any action in the matter."

Mr. Goodall, chemist, pointed out that an insured person who needed a spinal support had been supplied, and he believed that if the occasion arose no one would suffer. Councillor W. M. Gray said he was a member of the Committee which had discussed the question of opening a depôt for appliances, and they did not think it was absolutely necessary, most cases where unusual appliances were needed being taken, in the first place, to the hospitals. No action was taken in the matter.

Perth.—The Clerk to the Burgh Insurance Committee, reporting on the work of 1913, dealing with the Drug Fund, states that the floating sixpence is likely to go to the panel doctors.

Plymouth.—In presenting the report of the Medical Benefit Sub-Committee at the meeting of the Insurance Committee on March 27, Mr. G. R. Stanlake said that the conference of medical and pharmaceutical representatives unanimously believed "that the excessive drug-bill was due to lavish prescribing." The attention of panel practitioners had been drawn to a number of facts calculated to effect an improvement. Mr. R. F. Roper, Ph.C., expressed his belief that the excessive prescribing was the result of excessive sickness. In Plymouth the average number of prescriptions for each insured person on the register was three, in Devonport it was two—a fact which showed that people had been more frequently ill in the former town. If the report of the conference were sent to the Commissioners in its present form it would be alleged that excessive prescribing was the sole cause of the state of affairs, whereas that was not the case. Dr. Wagner thought it should be made clear that excessive prescribing did not mean that an excessive amount of drugs was ordered. It was not true that doctors were prescribing a lot of medicine. When it was stated that the average cost of prescriptions was ninepence, it should be remembered that twopence was for dispensing, and a halfpenny for distilled water. In Plymouth there were a large number of women workers who consumed a considerable quantity of medicine. That was not the case in Devonport. Mr. A. Webber was curious to know if there had been a change in the attitude of Mr. Roper. Mr. Roper intimated that circumstances had arisen which caused him to alter his position. The Chairman of the Medical Benefit Sub-Committee was in error when he said chemists examined the prescriptions with the doctors at the conference. The doctors examined them, and the chemists simply acted when reference was necessary. The report was made by the doctors, and the chemists agreed to it because they thought they were not in a position to challenge it. Some of the chemists had met subsequently to the conference, and they came to the conclusion that a wrong impression was being created, and that unless the report was altered chemists would be credited with the opinion that the position was due to excessive prescribing. Mr. Roper's proposal that the recommendation to forward a copy of the report of the conference to the Commissioners be deleted was adopted. It was decided that, in view of the serious position of the chemists in the Committee's area, the Insurance Commissioners be asked "what steps they were prepared to take to meet the most serious financial needs of the position." "I think it is really a shame that chemists should be kept waiting for their money," declared Mr. Stanlake, amid a chorus of "Hear, hears." The fault did not rest with the Committee, but with certain doctors and the Commissioners, who underestimated the amount of illness. In reply to the Commissioners, who asked for more detailed information as regards the Three Towns' Friendly Societies' Medical Institution, it was stated that the general trend of the reply would be that it did not seem to the Committee that the institution was satisfactory as regarded the quality of the medical service supplied, or that there was a need for the institution in the district.

Portsmouth.—A recommendation of the Joint Services Sub-Committee came before the Insurance Committee on March 26 that the term "aqua" in Insurance prescriptions should refer to ordinary tap-water unless otherwise specified. Mr. Bell, chemist, moved as an amendment that when "aqua" is prescribed distilled water should be used. Distilled water was generally used in private prescriptions, and is equally necessary for those of panel patients. Alderman F. G. Foster, chemist, pointed out that Portsmouth tap-water contained a large proportion of lime, which decomposed many chemicals ordered in prescriptions. Dr. Child remarked that the patient often added tap-water before taking his medicine. The Chairman (Alderman Sir Scott Foster) suggested as a settlement that when "aqua" was prescribed distilled water should be used, but that when the prescription said "aqua font." then spring or tap water should be used. The amendment was defeated by twelve votes to eight. A further amendment that the subject be referred to a sub-committee composed neither of chemists nor doctors, because "the dispute was simply a matter of

£ s. d. and not of the needs of insured persons," with power to settle the question, was lost by eleven votes to ten. The Committee's recommendation was then adopted.

Sheffield.—A meeting of the Insurance Committee was held in the Council Chamber at the Town Hall on April 1. The name of Mr. James Elsworth Alcock, 331 Shoreham Street, was added to the list of chemists. It was decided to reply to a panel chemist that Guycose and sanatogen are foods, and consequently not chargeable to the Drug Fund, and that his question as to whether hæmaboloids are allowed had been referred to the Panel Committee. The Pharmaceutical Committee wrote inquiring about deductions by the official checker of the extra fee on cod-liver oil emulsion, and regarding payment for elastic web bandages supplied between July 14, 1913, and the date of their inclusion in the present Tariff. The Committee resolved: "That the fee be not allowed when such emulsifying is not done at the time the prescription is dispensed, and that payment be made for elastic web bandages." It was decided that practitioners be permitted to order certain supplies of emergency dressings on a special form from panel chemists, but that no payment be made by the Committee in respect of first dressings. The approval of the Insurance Commissioners is to be asked to the engagement for six months of a temporary assistant to the pharmacist on the Committee's staff at a salary of 35*s.* per week. Payments to chemists for March, being 75 per cent. of their accounts, amounted to 1,356*l.* 8*s.* 6*d.*, and to practitioners for emergency dispensing and first dressings to complete the year 1913, 13*l.* 13*s.* 6*d.* (75 per cent. of accounts). Subject to the approval of the Insurance Commissioners, the salary of Mr. B. Lancaster, the pharmacist, was increased from 140*l.* to 150*l.* per annum. Letters from the Panel and Pharmaceutical Committees, with reference to the adoption by this Committee of a new form of prescription-book, were considered, and it was resolved not to alter the present form of book until the expiration of the current agreements. An attempt had been made to break through the agreement as signed in January, and a very stiff fight has taken place to retain the present form, which allows a penny copying-fee for every prescription sent in. Mr. Newsholme, on behalf of the chemists, submitted that no alteration should be made during the year, when the whole matter as to prices would have to be considered. The Insurance Committee have confirmed the recommendation of the Medical Benefit Sub-Committee, which means a matter of over 2,000*l.* to panel chemists.—The Pharmaceutical Committee met at the Literary and Philosophical Society's rooms on March 25, Mr. J. Gilbert Jackson (the Chairman) presiding. The action of the sub-committee in resisting any alteration during the present year in the form of prescription-books was confirmed, as was also a letter sent by the Secretary to the Insurance Committee objecting to phylacogens being charged to the Drug Fund. It was decided to inform the Insurance Commissioners that no further scheme for the election of the Pharmaceutical Committee will be submitted, the mode of election as carried out in January last being quite satisfactory. The large increase in the cost per prescription was discussed at some length, and finally adjourned for a future meeting. The question of an application being made for administrative expenses was also adjourned.

Southampton.—Mr. F. B. Wride, writing in regard to Mr. Locker-Lampson's reference in the House of Commons to the Southampton Insurance Committee not allowing for proprietary articles, explains that "by this is understood such articles as proprietary emulsions, tablets, etc., and articles made by home and foreign firms which are often composed of well-known drugs and chemicals, but with fancy names; these are barred, and rightly so. . . . In Southampton extract of malt, cod-liver oil emulsion, etc., are freely supplied, and a proper and sufficient supply of drugs and medicines according to the Act and common-sense. The prescribing and dispensing are working harmoniously, to the full benefit of the insured person, and there is sufficient to pay both doctor and chemist in full."

Sunderland.—The Insurance Committee met on March 24, when the Finance and General Purposes Sub-Committee recommended that the cost of checking prescriptions and auditing accounts for the current medical year, subject to approval by the Insurance Commissioners, be defrayed out of the sum that can be allotted by the Committee for the administrative expenses of the Panel and the Pharmaceutical Committees. Dr. Dix pointed out that the two Committees should have been asked if they agreed to the proposal, but they had not been asked. Dr. Todd said the matter was entirely out of order, and moved that the recommendation be deleted. Mr. Dale said the auditing was in the interests of the doctors and the chemists, and if they were not prepared to pay for it themselves, then the Committee should terminate the engagement of the auditor. Eventually the matter was referred back to the Sub-Committee.

West Bromwich.—At a meeting of the Pharmaceutical Committee on March 31, the Clerk to the Insurance Committee reported that the local Medical Committee does not intend to apply for funds, nor does it consent to the Pharmaceutical Committee getting any. [The local Medical Committee has nothing to do with this, but the Panel Committee.—Editor.] Other matters discussed at the meeting were a new prescription-form, the rep. mist. trouble, mode of electing the Pharmaceutical Committee, and ordering of dressings by weight. The Insurance Committee wrote asking chemists to consent to understand "aqua" in the Birmingham Formulary to mean aq. font., unless aq. dest. is specified. This was agreed to, and Messrs. Allen, Edgson, and Osborne were appointed to meet the Local Medical Committee [? Panel Committee] and make final arrangements for getting together the various formulæ, and to work out the values according to Tariff rules. Each chemist will have a copy of the formulæ and prices sent to him as soon as ready. The accounts for the last medical year were submitted by the Clerk and approved.

West Riding.—The Insurance Committee on March 26 decided to adhere to their previous decision, and refused the application of a medical herbalist for insured persons to be allowed to make their "own arrangements" for treatment by him. It was stated that no difficulty would be experienced by insured persons in obtaining medicines from the chemists at Normanton and Castleford, and the names of all persons residing within the prescribed area are to be removed from the lists of those prescribed for by the doctors as from the beginning of the next quarter. At Crosshills and Cowling the doctors had agreed to refund any moneys received by them from insured persons for treatment, and to withdraw any accounts which remained unpaid.

York.—The monthly meeting of the Insurance Committee was held on March 26. The Chairman (Mr. B. Kilvington), in reply to a question, said he had not any knowledge of doctors recommending particular chemists, but it was quite within their purview, knowing the character of the drugs that were dispensed at certain places, to recommend certain chemists. If they asked him his opinion, there were drugs and drugs. Dr. Macdonald said it was very undesirable that there should be touting, but it was a great convenience to be able to send a patient to the same chemist over and over again with repeat prescriptions. In answer to a question, Dr. Bedford Pierce said there were two classes of chemists—"druggists and chemists" and "pharmaceutical chemists." Mr. Chapman said he could understand doctors sending patients to certain chemists in the case of repeat prescriptions, but he did not agree with the principle of patients being sent to particular chemists otherwise. Dr. Bedford Pierce agreed. It was quite plain that a patient could go where he liked.

Notes.

Delayed Checking.—Referring to the Middlesex Pharmaceutical Committee, "The Script" states that up to the end of March nothing had been paid in respect to the current year's prescriptions dispensed by panel chemists, and nothing had been checked. Although "the prescriptions have to be checked on a complete plan this year, there is no necessity to keep the pharmacist waiting all this unreasonable time for his money," says our contemporary, which concludes by urging "all Middlesex pharmacists not to possess their souls in patience, but to become clamorous for greater energy in saving the county from getting into the rut."

At the Annual Meeting of the Boots' Health Insurance Society on March 26 it was stated that the total membership was just over 6,000. The financial statement showed receipts 4,632*l.* 10*s.* 7*d.* (including the refunded cost of administration, 739*l.* 3*s.* 9*d.*, from Sir Jesse Boot) and cash received from the Insurance Commissioners on account of benefits and administration expenses 3,149*l.* 3*s.* 4*d.* On the payments side, male employés had been paid 1,084*l.* 14*s.* 4*d.* in State benefits, and a further sum of 824*l.* 16*s.* in supplementary benefits, and female employés 824*l.* 16*s.* in State benefits and 435*l.* 7*s.* 9*d.* in supplementary benefits, the balance at the bank being 1,066*l.* 12*s.* 6*d.*

Medical Comforts.—The Scottish Commissioners, in a letter to the Kirkcaldy Burgh Insurance Committee, state that they are advised that if medical extras are recommended by the practitioner in charge of an insured person the cost thereof is admissible against the Sanatorium Benefit Fund only if the substances are or can be regarded as definite remedial agents. In the case of foodstuffs the Commissioners would regard them as medical comforts if expressly prescribed by the medical man in charge of the case, not as being necessary to the patient in a general sense, but as being specific items in the treatment of the form of the disease from which the patient is suffering.

WESTMINSTER WISDOM.

The Week in Parliament.

Short Weight Inquiry.

Sir A. Williamson, M.P., was on Tuesday elected Chairman of the Select Committee on Short Weight in Foods. The Committee will hold its first meeting on the Wednesday after Easter, when evidence will be tendered by some of the officials of the Board of Trade.

The Insurance Act and Ireland.

In the House of Commons on Monday next Mr. A. Henderson, M.P., will ask the Chancellor of the Exchequer whether it is the intention of the Government in the course of this Session to attempt to secure the passage of the Bill to extend Medical Benefit under the Insurance Act to insured persons in Ireland.

Panel Chemists in Scotland.

In the House of Commons on March 26 Mr. Watson asked whether the panel chemists in Scotland will be paid their accounts in full for the first three months of the present year and for the year 1913. In reply Mr. Benn said that any payment in respect of the quarter ending on April 11 will be an advance in anticipation of the annual settlement, and the accounts for this quarter are, of course, not yet due. As regards 1913 he could add nothing to previous replies.

Assistants to Chemists and Druggists (Qualification) Bill.

The second reading of Mr. Glyn-Jones's Assistants to Chemists and Druggists (Qualification) Bill is fixed for Friday, April 3, but inasmuch as it is the third Order of the Day, there is in all human probability no prospect of its being reached. In front of it on the order-paper are the second reading of the Exportation of Horses Bill, in regard to which wide interest has been excited, and the Places of Worship Enfranchisement Bill. Mr. Glyn-Jones, however, will be prepared against all eventualities.

Vaccine Injections for Insured Persons.

In the House of Commons on Tuesday Mr. Godfrey Locker-Lampson asked the Chancellor of the Exchequer a question about the decision of the County of Worcester Local Medical Committee as to vaccine injections and operations for appendicitis not being part of the Medical Benefit for insured persons. Mr. Wedgwood Benn replied that the Medical Benefit regulations provide that any question as to whether an insured person is entitled to any particular services should be considered by the Local Medical Committee and the Insurance Committee and their conclusions reported to the Commissioners, by whom the question must be further referred for decision by a Board of Referees specially constituted for the purpose. The Chancellor understands that in the cases referred to no decision had yet been reached, and it would be premature, therefore, to make any statement on the subject.

Army Dispensers and Apothecaries' Assistants.

In the House of Commons on Monday, March 30, Major Archer-Shee asked the Home Secretary whether any action has been taken by the Pharmaceutical Society to carry into effect the provision contained in Section 4 (*b*) of the Poisons and Pharmacy Act, 1908, with reference to the by-laws enabling Army dispensers and apothecaries' assistants to register under the Pharmacy Acts as chemists and druggists; and whether he is aware that a recent decision of a Departmental Committee had characterised the previous neglect to carry out the provisions of Section 4 (*b*) of the Poisons and Pharmacy Act, 1908, as constituting a serious grievance of four years' standing.—Mr. McKenna replied that he was informed that no steps have been taken by the Pharmaceutical Society to frame by-laws under the provisions referred to in the question. As he stated, in reply to a similar question in February of last year, and as is indicated by the report of the Departmental Committee mentioned in the question, the subject is not free from difficulties. The Society is promoting a Bill which has been introduced by his friend the hon. member for Stepney (Mr. Glyn-Jones) for the purpose of establishing a register of qualified dispensers, which, he is advised, will, if passed, go some way to remove the grievances complained of.

Chemists and the Drug Fund.

In the House of Commons on March 26—as briefly alluded to in our last issue—another debate on the administration of the National Insurance Act, and particularly in regard to the position of chemists and the Drug Fund, was initiated by Sir Clement Kinloch-Cooke, M.P., who moved that

"In the opinion of this House, the working of the National Insurance Act shows that, while the cost to the State increases, the benefits held out to insured persons are, in many instances, not forthcoming, and there is reason to believe, in the near future, that the situation will become more acute and a still larger number of insured persons will suffer."

Mr. C. Bathurst, M.P., who seconded the motion, pointed out that except in Section 8 of the 1911 Act, where limitations are placed upon the surgical and medical appliances contemplated to be provided under the Act, and, possibly also, upon the provision of dental treatment, there is no limitation as to the nature of medical attendance and treatment. He, therefore, protested against panel doctors treating simple affections of the throat or nose or ear or eyes as outside the scope of Medical Benefit and involving a special fee.

Mr. H. W. Forster, M.P., continuing the discussion, remarked that the Chancellor of the Exchequer had said it was intended that every patient was to have the best treatment of a doctor and the best drugs. There was to be no limit to the amount of money spent upon drugs. He recalled what Mr. Lloyd George had actually said on the matter, and quoted the letter written by Mr. G. Kelly to the Chancellor on behalf of the Leeds Insurance Committee (*C. & D.*, March 28, p. 70). Mr. Forster concluded by demanding some satisfaction from the Government as to insured persons not getting the best remedies because the Drug Fund will not allow it.

Mr. Wedgwood Benn, M.P., replying for the Government, said in the course of his speech:

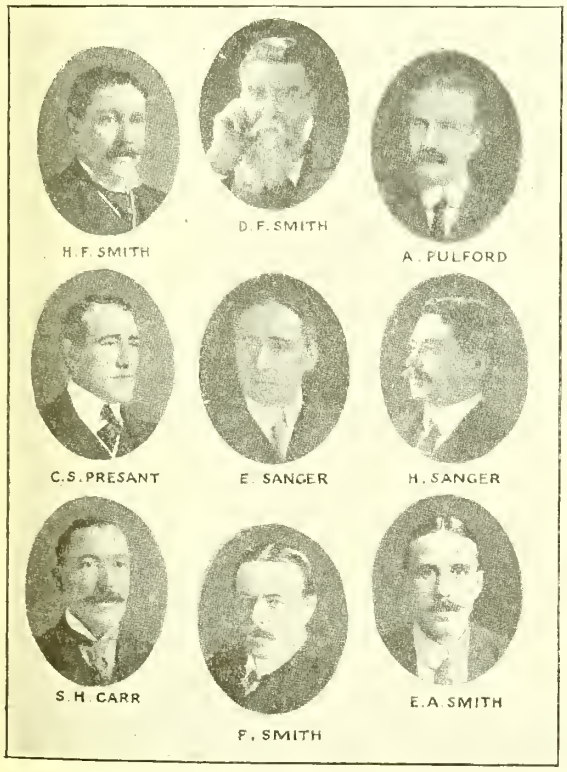
"The fact of the matter is that in this case of the Drug Fund the regulations and the agreement with the chemists provide and always contemplated that the Tariff which had been drawn up should be regarded as a Tariff, and not as the schedule of fixed prices. It was on that basis that the Tariff was agreed to by those who made the negotiations when the Act first came into force. It was on that basis that the regulation provided for scrutinies of the prescriptions with the bills by the members of the medical profession and the chemists respectively. In the case which the hon. member for Salisbury (Mr. G. Locker-Lampson) is pressing constantly in this House, there is such a scrutiny going on at the present time. The hon. member complained on Tuesday night that I did not answer his point. Unfortunately time did not permit for everything to be said which we desire to say, but the fact of the matter is, as regards Manchester and Salford, where a deficiency between the bills and the amount available is apparent, the scrutiny is proceeding by a joint committee of the chemists and doctors, and the chemists themselves have entered into an agreement for a fresh year with the Committee on the understanding that the prescriptions would be scrutinised by this joint committee. The reason I did not answer in the sense the hon. gentleman desired the questions he put to me about the alleged deficiency was that that scrutiny is proceeding, and it is therefore absolutely premature at the present moment to make any statement as to what may be done. Moreover, as I pointed out to the hon. gentleman himself, he is not authorised by any official body of chemists in Manchester or Salford to make such representations. Then, again, in some districts whereas there appears to be a deficiency until scrutinies have taken place, in many districts there is, in fact, a surplus, and some part of the floating sixpence will not be required to meet the chemists' bill. For instance, although in Manchester and Salford the prescriptions appear to be in excess over the money available, on the other hand, in Liverpool, St. Helens, Southport, Warrington, and other places there is, in fact, a surplus, and the provision to meet the charges of the chemists is, in fact, adequate."

Eventually the motion was talked out.

FESTIVITIES.

Sangers' Centenary Festivities.

The members of the firm and employés of Messrs. Sangers, patent-medicine dealers and druggists' sundriesmen, 258 Euston Road, London, N.W., to the number of nearly four hundred assembled in the Grand Hall of the St. Pancras Baths, Kentish Town, on March 27, to celebrate the centenary of the connection of the Sangers with this old-established business. It was a pleasant sight to see at play the whole of the staff, from the boy who has just been taken on to veterans with fifty years' service to their credit. The nine partners were present—viz., Mr. Henry Sanger, Mr. Ernest Sanger, Mr. C. H. Carr, Mr. C. S. Presant, Mr. A. Pulford, Mr. D. F. Smith, Mr. E. A. Smith, Mr. F. Smith, and Mr. H. F. Smith—and others present included Mrs. Charles Sanger.



About half the hall was reserved for dancing, Rose's Orchestra playing during the evening from the floral-decorated stage. Twelve dances and two extras were arranged, Mr. Geo. Godden being M.C. A programme of songs and musical and humorous sketches was also gone through at intervals under the direction of Mr. David J. Thomas. At one end of the hall card-playing was in full swing, and there were other games for those who tired of more conventional amusements. A refreshment buffet was arranged down the whole side of the hall, and was well patronised. At about ten o'clock a grouped photograph was taken, and during the evening Mr. Godden proposed a vote of prosperity to the firm, and thanks for the generous entertainment provided. He especially referred to the presence of Mrs. Charles Sanger. The vote was carried with enthusiasm and rounds of applause. The stewards to whom the success of the evening is due were Messrs. G. Godden, R. M. Payler, E. E. Stock, and A. C. Turner, who were assisted by twenty-three acting stewards.

Social Evenings.

The annual smoking-concert of the Hull Pharmacists' Association was held on March 26 at the Grosvenor Hotel. There were 120 persons present. Mr. T. W. Robinson (President) presided. The guests of the evening included Mr. J. Lewenstein (Clerk to the Hull Insurance Committee), Mr. James McPhail, M.R.C.V.S. (City Foods Inspector), Mr. A. Brown, Mr. Lofthouse and Mr. Hammond (Lofthouse & Saltmer), and Mr. Akers (Smith & Nephew). An excellent musical programme was rendered. A vote of thanks was passed to the artistes and to Mr. R. F. Jones, who had made the musical arrangements.

The closing social meeting of the winter session in connection with the Chemists' and Druggists' Society of Ireland was held on March 25 in the Society's rooms, 11 Waring Street, Belfast. Lady friends of the Society took charge of the catering, providing the tea and refreshments, and the attendance was the largest of the session. Mr. W. J. Gibson (President) occupied the chair. A whist-drive was held during the evening, and a musical programme was gone through. At the close of the meeting a vote of thanks was passed to all those who had rendered assistance.

In connection with the Glasgow and West of Scotland Chemists' Association and the Pharmacy Athletic Club a very successful whist-drive and dance was held in the Burlington House, 183 Bath Street, Glasgow, on March 31, when upwards of one hundred and fifty were present. Whist occupied the earlier part of the evening, and afterwards dancing was engaged in. The duties of whist-steward were carried out by Mr. W. J. Galbraith, while Mr. Orr acted as M.C. The prize-winners were Mrs. Wood Wilson and Miss J. Smith and Mr. C. B. Lee and Mr. Wm. Sievwright. Miss Guthrie, daughter of the President of the Glasgow and West of Scotland Chemists' Association, presented the prizes. The arrangements were ably carried out by a committee, with Mr. W. J. Moffat as Secretary.

London Chemists' Golfing Society.

The fifth annual dinner of the members was held at the Trocadero Restaurant, London, on Thursday evening, March 26, the President of the Club (Mr. T. E. Lescher) being in the chair. Messrs. C. T. Allen, A. Barritt, and M. W. Carmichael were chairmen of the spur tables, and among others present were Messrs. W. J. Uglow Woolcock, R. J. Reuter, C. S. Presant, H. N. Davidge, W. J. Pinchen, A. Boyes, J. W. Royle, J. Cleghorn, J. Hepburn, J. Murison, J. T. Guy Murison, W. Baritt, E. Beaton, M. Styles, S. E. Tomson, A. Harries, W. C. Evans, W. H. Summers, Eric Dunbar, Lionel Cooper, W. B. Trick, Percy Trick, J. W. Shelford, jun., P. O. Royle, C. Brookes, E. Raper, G. Beaton, J. W. Shelford, L. Cohen, L. J. Read, S. T. Saunders, F. B. Kauffman, L. Merry, D. T. Jones, F. A. Bell, and others. After the loyal toast had been honoured, Mr. C. T. Allen proposed "The Pharmaceutical Society," to which Mr. W. J. Uglow Woolcock replied in a humorous speech. The toast of the evening was proposed by Mr. W. B. Trick, who wished success, long life, and prosperity to "The London Chemists' Golfing Society." Mr. Trick gave a facetious account of how the Club was founded at Chingford by three gentlemen connected with the trade—Jones, Duncan, and "Sandy" (Alec Boyes)—who, he suggested, should be made "everlasting life members." The Club, however, wanted more support from the rank-and-file of the trade than they had had in the past. "More new blood and more money," added Mr. Trick, was wanted to place the Club on a sound financial footing. The Pharmaceutical Society, said Mr. Trick, should be invited to present a cup to the Club. The Chairman, in acknowledging this toast in a witty speech, recalled the dinner given in similar circumstances four years ago on a much smaller scale at the Villa Villa Restaurant, but they had now attained to the dignity of the "Den of Lyons." The dinner, he said, was the sporting event of the year in the drug-trade, and he tendered a hearty welcome to their guest, Mr. Woolcock. They had hoped to have with them Mr. Edmund White (President of the Pharmaceutical Society), but that day was the twenty-fourth anniversary of his wedding. The toast of "Our Visitors" was proposed by Mr. A. Barritt and responded to by Mr. Eric Dunbar. Mr. W. M. Carmichael proposed "The Press," to which Mr. W. T. R. Beckett replied, the final toast being that of "The Chairman," given by Mr. C. S. Presant. During the evening the prizes, of which there was a lengthy list, were presented to the winners by the Chairman. These comprised the Thomson Cup, Mr. H. W. Bartlett, Hill Cup, Mr. G. F. Deeth; replica trophy, Mr. H. T. Saunders; Vice-Captain's prize, (first) Mr. G. F. Deeth, (second) Mr. J. O.

Mr. T. E. Lescher.

Scott, (third) Mr. J. Jones; Captain's prize, 1913, (first) Mr. H. W. Bartlett (golf-balls), (second) Mr. G. Malcolm (small cup); Captain's prize, 1914, (first) Mr. G. F. Deeth (small cup), (second) Mr. H. W. Bartlett (small cup); President's prize, Mr. E. Beaton; Club Tournament, (first) Mr. S. E. Tomson, (second) Mr. L. J. Read; Sangers' Cup, Mr. F. A. Bell; replica of same (winner outright), Mr. A. Barritt; Carmichael Trophy, Mr. C. S. Presant; "British and Colonial Druggist" Cup, Mr. S. T. Saunders. Mr. Lionel Cooper has given a pint tankard to be won outright and to be competed for as the committee decide. As the statement had been made during the evening that the Club was insufficiently supported by the retail trade, the Chairman emphatically refuted this idea by reading a lengthy list of pharmaeists who were present that evening, adding that they formed the backbone of the Club. A good musical programme by "The Clefs" filled up the intervals between the speeches.

A Semi-jubilee Dinner.

Mr. Harry Hickey, senior representative of Messrs. Parke, Davis & Co., London, has been twenty-five years "on the road," and it was not possible for an event in the life of so popular a man as he to pass without his friends taking notice of it. This they did at a congratulatory dinner given to him in the Quirinal Room of the Florence Restaurant, Rupert Street, W., on Friday evening, March 27, when a company of over a hundred assembled under the chairmanship of Mr. Lionel Cooper, F.C.S. (Chas. H. Phillips Chemical Co.), the chairmen of the spur tables being Messrs. S. Jamieson (H. N. Mulford Co.), S. J. Massey (Meggesons, Ltd.), H. Lewis (Allen & Hanburys, Ltd.), and P. Cheetham (Parke, Davis & Co.). The company also included Dr. Cameron Stewart, Dr. J. Sorley, Messrs. H. J. Fisk (Parke, Davis & Co.), E. Pickering (F. Newbery & Sons), A. E. Holden (Fairchild Bros. & Foster), Peter MacEwan, F. Carpenter (Casein, Ltd.), W. A. Davis, W. Beckett, H. Summers, F. C. Goodall, W. C. Evans, G. Duncan Bowie (Duncan, Flockhart & Co.), E. Shackleford (Creswell Bros.), A. H. Millner (Sangers), A. R. Arrowsmith (Apollinaris, Ltd.), R. D. Dixon (S. Maw, Son & Sons), T. R. Williams (Wright, Layman & Umney), H. B. Everson (Hopkin & Williams), J. Merryweather (Oppenheimer, Son & Co.), T. Heighington (Selfridge & Co.), F. Van Abbott, F. Walton, R. O. Ibbotson, H. N. Davidge, C. Brooks (American Drug Supply Co.), H. Zeal, R. Mumford, and J. Royle (Ingram & Royle, Ltd.). After dinner and the loyal toast, an innovation for such functions was introduced by the toast of "The Pharmaceutical Press" being given next. Mr. A. E. Holden, a member of the committee, gave this in a striking speech. He said that the influence of the pharmaceutical Press of London is far-reaching, and wherever the English language is spoken it expresses and moulds pharmaceutical opinion. It has done much for pharmaceutical measures and for pharmaceutical men, recording, as regards the latter, all that is important in their lives from the cradle to the grave. Withal, he added, the resources of the occupants of the arm-chairs in the advertisement department are sometimes surprising, and the results contribute to the success of the publications. Mr. MacEwan and Mr. Beckett replied to the toast. In giving the toast of "Our Guest," the Chairman recalled the fact that he was apprenticed to Mr. Rastrick, Southsea, and at that time Mr. Hickey was the senior assistant. He recalled many incidents of that time, and in Mr. Hickey's career, saying that during his four years' apprenticeship Mr. Hickey treated him in an exemplary manner. The success which had attended Mr. Hickey's career as a traveller was due, he said, to his wonderful perseverance; he had sprung from the lowest rung of the ladder, and had had no help in his youth. His own native wit, his diplomacy, and tact, combined with a cheerful outlook on life, had helped him to his present position. Mr. Cooper intimated apologies from Mr. Charles Martin and Mr. Peter Short, B.Sc., and concluded by reading a letter from Mr. Fred M. Fisk, who could not be present owing to illness. The letter was really notes of what Mr. Fisk intended to say about Mr. Hickey. It told in a witty way how he discovered Mr. Hickey at Portsmouth, and of the business relations between them since Mr. Hickey joined the staff of Messrs. Parke, Davis & Co. It was a high compliment to Mr. Hickey; and Mr. Holden, as a personal friend of Mr. Fisk, added a verbal message from him, assuring the company that Mr. Fisk holds his colleague in very high esteem. The toast having been honoured, the Chairman presented Mr. Hickey with an illuminated address, to which were added the signatures of all who participated in the celebration enclosed in an album. Mr. Hickey responded in a brief speech of gratitude, thanking all the friends who had been associated with him since he joined Parke, Davis & Co., twenty-two years ago, and saying that it was gratifying to see present such old friends as Mr. Pickering, Mr. Walton, and Fred Peck, as they were friends who helped him at the beginning. He was also delighted to have so high a compliment paid to him by his fellow-travellers. He was particularly gratified to receive the album, which would be treasured by him and his family. The toast of "The Drug and Surgical Trades," proposed by Dr. Sorley, was responded to by H. Lewis and Mr. E. Pickering, the last-named making a delightful speech, in the course of which he gave some interesting facts regarding the occurrence of druggists' sundries in old literature. The Chairman's health was drunk on the invitation of Mr. Jamieson. In the course of the evening an excellent musical programme was rendered by Mr. W. Morrice, Mr. H. B. Everson, Mr. Ben Osbourne, Mr. F. Menzies, Mr. Henry Herbert, Mr. John W. Royle, Mr. Fred Curtis, and Mr. A. H. Millner. A very happy evening was concluded about midnight, but some lingered on to wish Mr. W. Beckett "Happy returns of the day," his birthday having started at midnight.

Mr. H. Hickey.

More Dinners.

The first annual dinner in connection with the Aberdare Valley Chemists' Committee was held at Caunt's Restaurant, Aberdare, on March 26, when Mr. Alfred Griffiths (Maesteg) was the guest of the evening. After dinner and the toast of "The King," that of "The Pharmaceutical Society" was proposed by Mr. Humphreys, and Mr. Griffiths responded. Mr. Williams (Mountain Ash) then proposed the toast of "The Aberdare Valley Chemists' Committee," coupled with the name of the President, who replied. In giving that of "The Visitor and Guest of the Evening," Mr. Lewis referred to the good work which Mr. Griffiths has done on the Pharmaceutical Committee as Chairman, and in response Mr. Griffiths gave a *résumé* of the work of that Committee, and outlined the difficulties that they, as pharmacists, have had to contend with. Mr. J. E. Thomas (Aberaman) proposed the health of Mr. Jones and Mr. J. H. Davies, and referred to the able manner in which they had filled the posts of President and Secretary respectively since the inception of the Association. Brief replies were made.

The annual dinner of the Institute of Ophthalmic Opticians was held at the Holborn Restaurant, London, W.C., on March 26. Mr. A. Upson, J.P., was in the chair, and among those supporting him were Dr. and Mrs. W. Ettles, Mr. and Mrs. J. H. Sutcliffe, Mr. and Mrs. H. R. Fairbanks, Dr. and Mrs. Henry Johnson, Mr. and Mrs. A. Hutchison, Dr. and Mrs. Forrest, Mr. E. K. Spiegelhalter, Mr. J. H. Raphael, Mr. G. G. Raphael, Mr. O. P. Raphael, Mr. A. W. Boatman, and Mr. J. Harcombe Cuff (Secretary). After dinner and the loyal toasts, Mr. Spiegelhalter proposed that of "The Institute," mentioning that now it has nearly six hundred members, or about half the qualified opticians in the Kingdom. Mentioning some of the recent work of the Institute, reference was made to official bodies who expect to obtain useful spectacles at 1*s.* 4*d.* to 3*s.* a pair. Mr. Upson, in his reply, said that the Institute, which is the youngest of the Optical Societies, is very much alive. The Institute consists of an organised body of examined men, who are seeking to perfect their organisation. Opticians do not seek to vie with either the Spectaclemakers' Company or the British Optical Association in their examining work, and it is not desirable that there should be more than two examining bodies. The members of the Institute are banded together for mutual advantage and protection, and they want to give the public some assurance and confidence of being properly treated when they consult the members of the Institute. In the early days of the Spectaclemakers' Company very severe restrictions were imposed as regards the quality of goods sold and the work done. Nowadays was found the absurd position that, after oculists had spent care and attention on children's eyes, part at least of the work was destroyed by the cheap, nasty, and stupid prices fixed by school authorities. These authorities should see to it that prices were paid that made the best work possible. (Cheers.) Mr. A. Jones proposed the toast of "The Medical Profession," and gave some interesting particulars from Pepys's Diary, in which the diarist refers to his consultations with Turbeville, the oculist. Dr. W. Ettles, in reply, traced the origin of physicians and surgeons to the priests and lay brothers of mediæval monasteries, and said that opticians are evolving in like manner.

WINTER SESSION

of Meetings of Trade Associations.

Others are reported under "Insurance Act Dispensing" when the subjects pertain chiefly to that Section.

Bournemouth.—A meeting of the Bournemouth Pharmaceutical Association was held at Gervis Hall on March 27. Mr. Wallace Curtis presided, and there were also present sixteen members, the Hon. Secretary, and a few visitors. Towards the Pharmaceutical Parliamentary Fund a contribution of 5*l.* 5*s.* was forwarded from the funds of the Association, and all members were asked to support the same individually. Dr. E. W. Facey next read a paper on *The Nature of Vaccines*, which was much appreciated. The President reminded the members of the whist-drive to be held on April 22.

Bradford.—At a meeting of the local Association last week (see p. 52) the Pharmaceutical Parliamentary Fund was considered, and it was suggested that two candidates should be got, Alderman R. A. Robinson (London) being suggested in addition to Mr. Glyn-Jones. Practically all those present subscribed or promised subscriptions to the fund. Mr. Birchall and Mr. R. H. Stephenson were elected members.—Mr. Silson again presided at the meeting on Tuesday. Resolutions of sympathy were passed with Mr. Faull and Mr. Shepherd, each of whom has suffered the loss by death of a parent since the last meeting. The President stated that already 9*l.* had been contributed in Bradford for the Parliamentary Fund and 2*l.* 2*s.* 6*d.* for the Executive Fund, and he appealed to those who had not already subscribed to do so.

Bristol.—Mr. A. E. Burnett presided at this week's meeting of the Bristol Chemists' Association. The Hon. Secretary (Mr. W. T. Pitchford) reported that panel doctors wish to alter the fixed Tariff, but the Association decided against that. After a long discussion on the Pharmaceutical Parliamentary Fund it was agreed that the Association should try to contribute at least 100*l.*, and that panel chemists should be assessed in proportion to the work done and money received by them, and that non-panel chemists should subscribe at least one guinea, the same figure being the minimum for panel chemists. Contingent promises amounting to over 50*l.* were made at the meeting. A committee was appointed to call on every chemist in the district with reference to the matter, and to report on April 1. A suggestion was brought forward by Mr. W. T. Pitchford to include qualified assistants in the membership of the Association. Messrs. Burnett and W. T. Pitchford, representing the Association, were appointed to meet Mr. Rees, representing the assistants, to confer on the matter.

Cardiff.—A meeting of the Cardiff Pharmaceutical Association was held at the Angel Hotel on March 26. The President (Mr. W. R. Williams) was in the chair, and there were also present fifteen members and Mr. F. Lea (Hon. Secretary). Mr. Hagon mentioned that the Chamber of Trade is going to try and get a universal time of closing shops for all trades. The Secretary read a letter from Colonel Seely acknowledging the resolution of the Association regarding Army trading and the utilisation of South African garrison funds. The Secretary read a letter from the Chamber of Trade asking for opinions on the question of a central station for Cardiff. The Association approved the Chamber's scheme. In support of the Parliamentary Fund, Mr. J. A. Jones proposed that 2*l.* 2*s.* be voted, and this was agreed to. Many of the members present also subscribed various amounts. The new rules of the Association were next approved of. A Picnic Committee was appointed, consisting of the President, Messrs. W. R. Williams, Poole, J. D. Jenkins, F. Lea, and J. Murray. It was proposed to hold a whole-day picnic to Glyn-Neath on Whit-Monday.

Cheshire. Mr. F. Evans presided at the annual meeting of the North Cheshire Pharmacists' Association held at the Albion Hotel, Manchester, on April 1. The Secretary (Mr. F. W. Scanlon) read the yearly report, which was adopted; as also was the Treasurer's report, which showed a balance in hand of 2*l.* 3*s.* 6*d.* Mr. F. Evans (Lymm) was re-elected *President*, Mr. A. Burgess (Altrincham) *Secretary*, and Mr. Fowden (Altrincham) *Treasurer*. Representatives were appointed to the Executive of the Cheshire County Pharmacists' Association. The rest of the time was devoted to Insurance matters.

Eastbourne.—A special meeting, open to all registered chemists in the area, was held at the Queen's Hotel, Eastbourne, on Thursday, March 26. Mr. W. Price (President of the local Association) was in the chair, and Messrs. H. C. Browne, G. A. Harmer, Alfred Procter, J. Forbes, Arthur Moss, E. A. Long, and the Hon. Secretary (Mr. D. Marchant) were also present. It was agreed that the Eastbourne Pharmacists' Association be constituted as at present, with quarterly meetings or as required of all registered chemists in the area, subscription for the first year to be *nil*. It was unanimously agreed that the present method of electing the Pharmaceutical Committee (Insurance Act, 1913) is quite satisfactory. For the Pharmaceutical Parliamentary Fund 6*l.* 6*s.* was promised at the meeting, and it was decided that Mr. Fred. Temple (Treasurer) should endeavour to get 1*l.* 1*s.* from everyone. After the Hon. Secretary had made a few remarks on the Assistants' examination, it was unanimously agreed that the Minor certificate should be the lowest standard accepted.

Edinburgh.—A meeting of the Edinburgh Chemists', Assistants', and Apprentices' Association was held at 36 York Place on March 25, Mr. Henry Stout, Ph.C. (President), in the chair. Mr. J. Adamson read a paper entitled *Reminiscences*, in which he gave an interesting account of his experiences as a pharmacist. The next communication was a note on *The Flavouring of Paraffinum Liquidum* by Mr. E. O. Rowland. Tasteless as is liquid paraffin of the highest grades, there are to be found among children and people of delicate constitution instances of repugnance to the use of it as a medicament. Soft paraffin from its opacity readily lends itself to combination with flavouring-agents of almost any kind, but in the case of liquid paraffin, where it is desirable to retain the elegant transparency of the original, the field is limited. To overcome this difficulty some experiments have been made, of which two samples were shown. In the one case the liquid paraffin had been flavoured with fresh lemon-peel, and in the other case with fresh orange-peel. The slight tint imparted makes the oil attractive to the eye, and the delicate aroma is likely to overcome the patient's prejudice. A sweetening agent would be an advantage, but experiment with saccharin shows that none goes into solution. Mr. Rowland also read a paper on *An Indoor Botanical Excursion*, in which he made some excellent suggestions showing how botanical interests might be cultivated when the season and conditions for outdoor study were not suitable. To make botany a subject for everyday happiness and not of self-commiseration, he recommended attention to the domestic environment. The examination of doors and articles of furniture provided a good study in wood-structure. By a little observation one could readily distinguish between real medullary rays and the handiwork of the painter. A profitable excursion was to the kitchen, where a great storehouse of material was generally to be found. Such vegetables as cabbages and Brussels sprouts were useful to study vernation; onions for tunicated bulbs; celery, with its radical leaves, showing the effects of absence of light on suppressing development of chlorophyll; potatoes for underground stems; carrots and turnips for tap-roots, etc., etc. The different varieties of fruits could always be obtained and carefully compared with book descriptions. The reading of the papers was followed by discussion, and a cordial vote of thanks to the authors.

Essex (S.E.).—A meeting of the South-East Essex Pharmacists' Association was held on March 23 at Hôtel Victoria, Southend, the President (Mr. Heywood) in the chair. The fact that the town becomes an incorporated borough on April 1, and that the incidence of Insurance matters is altered, brought members to the meeting in full force. The Hon. Secretary (Mr. C. Goode) explained the position of affairs. He also referred to the new boundary of the Association, and suggested that final agreement with the organisation scheme had better be held over until the act of incorporation is complete. The question of the Pharmaceutical Parliamentary Fund was next discussed, particulars having been sent out by circular to the members, and members were left to send their contributions. A more ambitious programme for the next session was decided upon. The Committee is to draw up a regular programme for the whole session, and papers are to be contributed by the members.

Gloucester.—Mr. F. T. Palmer presided at a meeting of the Cheltenham, Gloucester, and District Pharmacists' Association held at the School of Science, Gloucester, on March 26, when Mr. George Embrey, F.I.C., F.C.S., county analyst, gave a lantern-lecture on *Algal Growths in Ponds and Reservoirs, with some Suggestions for their Prevention.* The Secretary brought forward the question of the Parliamentary Representation Fund, and a resolution proposed by him was passed that members should be asked to contribute 2*s.* 6*d.* (or more) per head to the fund, and that the matter be also placed on the agenda for next meeting, in view of a donation from the Association's funds as well.

Institute of Ophthalmic Opticians.—The annual meeting was held at the Holborn Restaurant, London, W.C., on March 26. The Chairman (Mr. A. Upson, J.P.) presided. The Chairman, commenting on the report of the Council, stated that the membership shows a net increase

during the year of ninety, and at every meeting additional names are brought forward. The finances are also satisfactory, and the Benevolent Fund has reached 100*l*. The report and balance-sheet were then unanimously adopted. The Chairman then moved that the following seven persons, who had been nominated, be elected members of the Council: Messrs. J. A. Adams, Irvine G. Aitchison, Ernest Beaumont, Robert R. Roberts, Edmund Kirby Spiegelhalter, Henry Oscar Wood, and Joseph Simpson Yeates. This was agreed to unanimously. The following were elected auditors: Messrs. Luther French, John Jacobs, and Henry M. Self. Mr. Spiegelhalter, on behalf of the Council, moved the following resolution: "This Institute strongly condemns the practice adopted by various County Councils and other public bodies in issuing recommendations that school-children and hospital patients should buy spectacles only at prices making it impossible to supply accurate lenses in correctly fitting frames, without which true correction of the defect cannot possibly be made." He said they are all thoroughly agreed upon the subject, but the annual meeting gives an opportunity of placing that matter before the public in a way which they could not otherwise do. The motion was carried unanimously. A special vote of thanks was given to Mr. J. Harcombe Cuff for his services as Secretary and Editor, to which Mr. Cuff replied. The annual dinner was held in the evening, and is reported in another section of this issue.

Leeds.—Dr. Ewing gave an interesting lecture on medical matters to the Leeds Chemists' Association on Wednesday evening, and, in concluding, spoke in terms of high praise of the Leeds Infirmary, and of Sir Berkeley Moynihan as one of the three most distinguished surgeons of the world. In the course of a discussion Mr. Pilkington Sargeant suggested that there ought to be an honorary pharmaceutical staff at the Leeds Infirmary to assist the honorary medical staff, and Dr. Ewing, in his reply, approved the suggestion.

Liverpool.—A well-attended meeting of the Liverpool Chemists' Association was held on March 25 at the Royal Institution. The President (Mr. H. Humphreys-Jones, F.C.S.) occupied the chair. Messrs. W. H. Nicoll and J. S. Emlyn were elected members of the Association. A donation to the library in the form of Wootton's "Chronicles of Pharmacy" (two volumes) was made by Mr. H. Lomax. Mr. G. V. C. Last reported on his visit to the conference of Lancashire Insurance Committee held at Blackburn. A letter was read regarding the Pharmaceutical Parliamentary Fund, and Mr. D. H. Evans was appointed to receive subscriptions and forward them in the name of the donors to headquarters. Dr. Symes referred to the presence among them of Professor Greenish, and the President extended to him a hearty welcome. Mr. Harold Wyatt then read his paper *Dispensing Notes*, which was listened to with rapt attention. A vote of thanks was proposed and supported by Messrs. Lomax, Prosper H. Marsden, Dr. Symes, Mr. D. H. Evans, the President, and Professor Greenish, the last-named expressing his delight at having been present at a meeting of the Liverpool Chemists' Association, and particularly at a meeting when Mr. Harold Wyatt was dealing with a subject on which he was regarded as an expert.

London Assistants.—A visit was paid by about twenty members of the Chemists' Assistants' Association to King's College Hospital, Denmark Hill, London, S.E., on March 26. The party were received by Mr. E. B. Fairweather, pharmacist, the head dispenser at the hospital. The walk along the wide corridors with rounded corners made it evident that full advantage had been taken of modern knowledge of hospital hygiene, but the minute attention to detail, as shown in the *x*-ray department (first visited), was astonishing. Here patients would be examined or photographed by *x* rays with remarkable ease—a turn of a wheel or the pull of a cord adjusting angles, diaphragms, or contacts without the operator needing to move from his place. A 20-in. coil allowed practically instantaneous skiagrams to be made, while a prism arrangement permitted stereoscopic projects of the negatives, showing depth of foreign substance, etc. The cubicles in which patients are exposed to *x* rays are lead-lined, and lead-glass shields and adaptors restrict exposure to a definite area. The control-box is outside. The reason for the completeness of the arrangements was evident on visiting the dispensary, where it was stated that Mr. Fairweather had a free hand in designing to suit his requirements. There is also a laboratory in the basement, aërated-water machine, tablet-machine, and surgical-dressings store (with closed bins) in the basement. A hand lift connects with the dispensary above. After a visit to the boiler-house and electric-light installation, a vote of thanks, moved by the President (Mr. F. W. Crossley-Holland), was heartily endorsed. The visitors came away with the impression that the hospital must be the most up-to-date possible in accordance with the scientific knowledge of the day.

Nottingham.—A meeting of the Pharmaceutical Association was held at the Victoria Station Hotel on Wednesday, April 1. There was a good attendance. An animated discussion on organisation matters held the field for a considerable time. On this being settled, Mr. E. E. H. Turton (Assistant Secretary) introduced the subject of "The Future of Pharmacy," but as the hour was late the "Future" did not receive the attention it merited, and so was not finally decided.

Sheffield.—A meeting of the Sheffield Pharmaceutical and Chemical Society was held on March 26. The President (Mr. J. Gilbert Jackson) in the chair was supported by a very good attendance of members and friends. Mr. Henry Brown and Mr. G. K. Robinson were elected members and Mr. R. O. Daine and Mr. J. H. Ellwood as associates of the Society. The President called upon Professor H. G. Greenish to give his lecture on *Drug-markets at Home and Abroad*, which was illustrated by about a hundred lantern-slides prepared by the lecturer. It was the same as given in London. Mr. Jackson moved a hearty vote of thanks to Professor Greenish, pointing out the educational value of such a lecture to students. Mr. J. Austen, in seconding, said he had made up his mind to spend his holidays in viewing the London docks. Mr. Job Preston, in supporting, said he heard a lecture by Professor Greenish's father many years ago, and found a very great likeness between them.

Stockton.—A meeting of the Stockton Pharmacists' Association was held on March 24 at Tate's Café. Mr. T. W. Salmon (President) was in the chair. The Hon. Secretary gave a report of the last meeting of the Pharmaceutical Committee held at Durham. An official checker is not to be appointed; the work is to be done for the present by the Committee. The new organisation scheme of the Pharmaceutical Society was approved, and, after considering the claims of the Pharmaceutical Parliamentary Fund, it was agreed to make a donation from the funds of the Association and to consider the question of individual contributions.

Women Pharmacists.—A meeting of the Association of Women Pharmacists was held on March 25 at Gordon Hall, Gordon Square, London, W.C., Miss Buchanan in the chair. Among those present were Mrs. Freke, Misses Wardle, Hughes, Gilliatt, Braithwaite, and Mulliner. An interesting address was given by Miss Wakefield (of the Ladies' National Vigilance Association) on *Some Aspects of Public Morality*. Afterwards questions were asked, and several members joined in the discussion.

Worcester.—A meeting of the Worcester City and County Pharmacists' Association was held at the Hop Market Hotel, Worcester, on March 26, Alderman J. A. Steward, J.P., in the chair. Members were present from Bromsgrove, Colwall, Evesham, Droitwich, Malvern, and Worcester. The following new members were elected: Messrs. L. Assinder (Bromsgrove), E. Goldew (Evesham), T. Wilson Sudlow (Malvern), and A. Yeates (Stourbridge). The Hon. Secretary (Mr. Donald G. Pout) read a letter from Mr. T. W. Lowther, the pharmacists' representative on the County Insurance Committee, stating that he was resigning. It was unanimously agreed that Mr. S. Harris (Droitwich) should succeed Mr. Lowther, and the Committee was instructed to forward Mr. Harris's name to the Commissioners, with a request that they would nominate him for the vacancy. A report of the County Pharmaceutical Sub-Committee was submitted by Mr. Coverdale, and a discussion took place as to whether vaccine treatment comes within the scope of Medical Benefit and the advisability of having a County Pharmacopœia, the latter being much desired by the doctors. The majority of the members favoured both, subject to certain conditions. The Pharmaceutical Society's organisation scheme was adopted, and it was agreed that the county should be divided into five divisions, each having a divisional officer, who would be the Pharmaceutical Society's representative for that area. The Secretary said he had sent a letter to every pharmacist in the county appealing for their prompt and generous support of the Parliamentary Fund, and had received several promises.

Insurance Tariff Prices.—*One Who Knows* (181/34) writes: "One penny is the price of one drachm tr. strophanth., both in Scotland and England. To make it anything else was gone in error. Allow me to point out also that in Scotland, at any rate, the price of 4 oz. boric lint is 4*d*., not 6*d*.; quarter-pound rule applies here, although many chemists, and especially surgical-instrument makers, price them 6*d*. Malt extract and cod-liver oil are often considered an emulsion, and a special dispensing-fee charged, but the ordinary fee for liquids is all that can be allowed. On the other hand, very few price ext. malti liquid. at more than 1*d*. per oz. The pound-rate (cost) varies from 10*d*. to 1*s*. 2*d*., so that, whether that is divided by 9 or by 12, it cannot be sold under 1½*d*. per oz., and should be so charged."

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., April 2, 6.30 p.m.

No improvement can be noted in business conditions in the chemical and drug markets. Very little speculative demand is taking place at the moment, the political situation and Ulster being the absorbing topics. Among fine chemicals, santonin has advanced, as intimated last week, and acetyl-salicylic acid is 1½*d.* per lb. cheaper owing to outside competition. Citric acid continues to advance. Menthol is flat, and among other products, opium is quiet and easier, as is cod-liver oil. In essential oils, peppermint continues its rising tendency. Lemon oil to arrive is cheaper in several directions, and bergamot is firmer. Camphor oil is easier. The following have been the principal changes of the week :

Higher	Firmer	Easier	Lower
Balsam (Canada)	Balsam Peru	Benzols	Acetyl-salicylic acid
Citric acid	Bergamot oil	Camphor oil	Ammonia sulphate
Mace (W.I.)	Canary-seed	Cod-liver oil	Cardamoms
Orris (Mor.)	Cumin-seed	Coriander seed	Elemi
Peppermint oil (Amer.)	Sarsaparilla (Grey Jam.)	Kola	Fenugreek seed
Santonin		Opium	Honey (Hayti.)
Sarsaparilla (Native Jam.)		Turpentine	Jalap
			Lead products
			Lemon oil
			Menthol (c.i.f.)

Cablegrams.

Bergen, April 2.—The cod fishing at Lofoten Islands is now closing; the market for finest new non-congealing quality is dull at about 67*s.* 6*d.* per barrel c.i.f. terms.

New York, April 2.—Business in drugs is quiet. Opium is firmer at $6.40 per lb. Peppermint oil is another 10c. higher at $4.10. Balsam tolu is stronger at 65c. Canada balsam has advanced to $12.00 per Amer. gal., and Oregon balsam is steady at 90c. Menthol is lower at $3.10 and senega is also lower at 63c. Cartagena ipecacuanha, cascara sagrada, and hydrastis are unaltered.

London Markets.

Acetyl-salicylic Acid has been reduced by 1½*d.* per lb., the prices varying from 1*s.* 8*d.* to 2*s.* 1½*d.* per lb. net, according to quantity, the lower price being for ton lots. This reduction, it is anticipated, will make it difficult for outside manufacturers to compete.

Anise Oil (Star) is unchanged and quiet, with "Red Ship" brand offering at about 5*s.* 11*d.* on the spot, and at 5*s.* 2*d.* c.i.f.

Aniseed is slow of sale, but quotations are unchanged at 26*s.* to 27*s.* 6*d.* per cwt. for common to good Russian, and 35*s.* for Spanish.

Balsam Canada is dearer at 6*s.* per lb. net in tins in cases, and likely to go still higher.

Balsam Peru.—For genuine on the spot 6*s.* per lb. is quoted. An American cable indicates a stronger market on that side.

Bergamot Oil has a firmer tendency at from 18*s.* 10*d.* to 19*s.* per lb. c.i.f.

Calumba.—The *Gascon*, from Mozambique, has brought 125 bags. In auction a bid of 12*s.* is to be submitted for 48 bags ordinary natural part wormy sorts; 20 bags washed pickings were held at 18*s.*; and for six bags of small to medium bright yellow washed 27*s.* 6*d.* was wanted.

Camphor Oil.—White essential is slightly easier, offering at 60*s.* per cwt. on spot.

Camphor (Refined). Business has been done in 1-oz. and ½-oz. Japanese tablets at 1*s.* 5¼*d.* per lb. c.i.f. for June-July shipment. The spot price of 1-oz. tablets is 1*s.* 6*d.*

Canary-seed is firm and slightly dearer at 91*s.* 6*d.* to 95*s.* per quarter for ordinary to fair, and at 107*s.* 6*d.* for good. Spanish is worth 127*s.* 6*d.* to 135*s.* for good to extra fine bold.

Caraway-seed is steady at 27*s.* 6*d.* to 28*s.* 6*d.* per cwt. for ordinary to fair Dutch on the spot.

Cascara Sagrada.—Privately, business to arrive has been done at 32*s.* 6*d.* per cwt. c.i.f. for prompt-steamer shipment. In the drug-auction a bid of 35*s.* is to be submitted for three tons new crop imported this year, consisting of rather thick quilly; 37*s.* was wanted for 86 bags fair 1911 importation.

Citric Acid. With practically no stocks, business is quite retail at 2*s.* 3*d.* per lb., which has been paid.

Cloves.—At auction 21 cases Penang were bought in at 1*s.* 3*d.* for good. Privately spot demand is quiet, with sellers of fair Zanzibar at 6½*d.*; to arrive January-March shipment is quoted 6⅛*d.*, and March May at 6⅜*d.* c.i.f. d.w.; June-August delivery is nominal at 6⅜*d.*, and August-October at 6½*d.*

Cod-liver Oil.—Our Bergen correspondent writes on March 30 that another week of calm weather, regular fishing, and large results has taken place. The season is, however, closing, or even closed, in several places, and after the Easter holidays there will be practically no fishing going on outside Finmarken. From this important district the first report was received a few days ago. A few fishermen have already arrived, but the catch is quite insignificant so far. One may, however, hope for a regular season also in Finmarken. The reports give the following figures for

	1912	1913	1914
Lofoten.			
Catch of cod (millions)	13.9	5.9	9.6
Yield of c.l.o. (hect.)	10,800	3,550	7,650
Sondmore.			
Catch of cod (millions)	13.5	3.6	14.8
Yield of c.l.o. (hect.)	8,900	2,000	10,530
Total of all Districts.			
Catch of cod (millions)	54.3	21.8	45.1
Yield of c.l.o. (hect.)	42,250	15,070	34,400
Yield of liver for "raw" oils (hect.) ...	6,720	3,930	6,300

The market is lower, and prime non-congealing Lofoten cod-liver oil of new crop can hardly be quoted above 67*s.* 6*d.* c.i.f. terms. In London agents' prices vary from 63*s.* to 70*s.* c.i.f., according to brand.

Coriander-seed has an easier tendency. Good Morocco has been sold at 17*s.* 6*d.*, and wormy at 10*s.* to 12*s.* per cwt. for common to fair.

Cream of Tartar has a firmer tendency at the unaltered rates of 94*s.* and 92*s.* for 98-per-cent. and 95-per-cent. powder respectively.

In a Foreign Office report on the wine and fruit industries of Argentina, Mr. Consul-General Mackie states that "factories are being started for the manufacture of tartaric acid and cream of tartar, which is developing into a profitable business. Such an industry should place into local circulation the sum of 100,000*l.* that at present leaves the country to pay for the imported product."

Cumin-seed is firmer, with more inquiry. Fair Morocco sold at 27*s.* 6*d.*, and slightly wormy at 23*s.* to 25*s.* 6*d.* per cwt., according to quality.

Fenugreek-seed is lower; fair Morocco can be bought at 9*s.* 6*d.* per cwt.

Ginger.—At auction 644 bags Cochin new crop offered and 350 sold at 26*s.* for good bright new crop; 50 bags

limed Japanese were bought in at 24*s*. Privately common Jamaica is quoted at 37*s*. to 38*s*., and medium to good, 45*s*. to 50*s*. The sales in Liverpool include 30 tons new crop African at 18*s*.

Lemon Oil is offered at lower rates for April-June shipment, viz. 7*s*. 9*d*. per lb. c.i.f., the range being up to 8*s*. 3*d*. The spot prices are from 8*s*. 3*d*. to 8*s*. 9*d*., according to brand and seller.

A report from Acireale, dated March 24, states that: "The efforts of our speculators to raise prices have, so far, only succeeded in maintaining rates. No exporter is helping them any more, as everyone is now recognising the truly disastrous position of lemon. Only producers seem to be blind, but the demand is so insignificant that the almost total absence of sellers does not influence the market."

A Sicilian advice, dated March 28, states that: "As we had occasion to point out in previous reports, the advance which took place early this month was entirely dependent on local requirements, which some speculators exploited in order to force those who had blank sales to cover to pay higher figures for same. As, however, the demand from abroad has been very quiet all round, the tendency slackened as soon as most of these local requirements were provided for, and (as we fore-shadowed already in our last two reports) prices are now beginning to give way again. The course of the market during this week has been downward, reductions in prices being obtained on what small transactions were effected. As local buyers are now keeping more reserved, it is rather likely that, unless a demand sets in from abroad, the easier tendency will increase during next week.

Lime Oil.—Privately, holders of West Indian distilled quote 2*s*. per lb. In the drug-auction four cases West Indian distilled sold at 2*s*., being firm. Hand-pressed was limited at 9*s*. 6*d*. per lb.

Linseed is unchanged at 50*s*. to 52*s*. per quarter for good quality.

Menthol.—Sales continue of quite a retail character, the spot price being 11*s*., with single tins selling at 11*s*. 6*d*. To arrive, sellers of Kobayashi quote February-March at 10*s*. c.i.f., and to-day sales of Kobayashi-Suzuki for May-June shipment have been made at 9*s*. 6*d*. c.i.f. The *Kitano Maru* has brought 103 cases menthol and oil from Yokohama, also 100 cases oil and 60 cases menthol from Kobe; 55 cases menthol and oil have also arrived in transit.

Mint Oil.—Business has been done in Kobayashi for January-March shipment at 3*s*. 10½*d*. per lb. c.i.f., and May-June shipment at 3*s*. 9*d*. c.i.f.

Opium has an easier tendency in primary markets, with 11½-per-cent. test offering at from 13*s*. 6*d*. to 13*s*. 9*d*. per lb. c.i.f., but practically no business has been done. The spot prices are unchanged at from 15*s*. to 15*s*. 6*d*. Persian, it is anticipated, will be available at easier prices shortly.

A Smyrna correspondent writes on March 20 that "a slight concession of about 4*d*. per lb. on the part of sellers brought forward several buyers on our market, and resulted in some 65 cases changing hands for England and America. Sellers, however, have now withdrawn, leaving buyers with several orders unexecuted on hand. The quotations are: Common low grades, 12*s*. to 13*s*. 6*d*.; Karahissar, mixed, 13*s*. 6*d*. to 14*s*.; extra Karahissar, 14*s*. 3*d*. to 15*s*.; Yerlis, 14*s*. 6*d*. to 16*s*. 6*d*. Weather conditions are good for the poppy, but copious rains are necessary this and next month to bring matters to a successful issue. The arrivals in Smyrna amount to 4,456 cases, against 2,335 cases at same date last year.

A Constantinople correspondent writes on March 28 that the sales were 14 cases druggists' at from ptrs. 210 to 215, 15 cases "softs" at ptrs. 250, and 26 cases Malatias at from ptrs. 228 to 232. Strong winds have followed the abundant rains of last week, which has again occasioned a certain dryness injurious to the poppy. An advance has followed in Smyrna, and holders here have abstained from buying. Fortunately, good rain has been reported from the interior, which leads us to hope that we shall be able to return to our previous quotations very shortly. About thirty cases have been sold for Japan. Following a new estimate, the stock has been reduced by about 150 cases, and now stands at 565 cases, against 789 cases; the arrivals in Constantinople amount to 3,386 cases, against 2,443 cases.

Orange Oil.—Sicilian sweet is quoted at from 9*s*. 9*d*. to 10*s*. 2*d*. per lb. c.i.f., according to shipper. A primary market advice reports a slow market, with slight fluctuations. Stocks, however, are not large, and are gradually concentrating in strong hands.

Peppermint Oil.—American in tins remains strong at from 17*s*. to 17*s*. 6*d*. per lb., and for H.G.H., which is very scarce on spot, 20*s*. 6*d*. has been paid, oil to arrive offering at 20*s*. 3*d*. to 20*s*. 9*d*. according to shipper.

Quillaia.—The *Mowe*, from Bremen, has brought 195 bales.

Sandalwood Oil.—English drawers quote 23*s*. per lb. for genuine, and foreign is obtainable at 22*s*.

Santonin.—As intimated last week the Santonin Syndicate on April 1 advanced their prices from 4*s*. 3*d*. to 5*s*. per lb., according to quantity, the following being the official rates: Small lots, 122*s*. 3*d*.; 14 lb., 119*s*. 6*d*.; 28 lb., 117*s*.; 56 lb., 114*s*. 3*d*.; and 1-cwt. lots, 111*s*. per lb net.

Shellac is steadier, with a limited business on a basis of 71*s*. for fair TN orange, and sellers of free AC Garnet at 70*s*.; arrival quotation for TN Orange is nominally unaltered for April-May shipment at 70*s*. c.i.f. Futures have been quiet, the sales including May at 71*s*. to 70*s*. 6*d*. and August 71*s*. 6*d*. to 72*s*.

Spermaceti.—American refined is quoted at 10½*d*. per lb., ex warehouse.

Sulphur.—There is a temporary scarcity on spot, and for delivery in a week or so, 6*l*. 15*s*. per ton ex wharf is quoted for flowers, and 5*s*. less for roll.

Tartaric Acid.—Although prices are unaltered at present, the tendency is upwards; foreign is quoted 1*s*. 0½*d*. and English 1*s*. 1*d*. to 1*s*. 1¼*d*. per lb.

Turpentine is easier at 32*s*. 1½*d*. per cwt. for American on the spot, and 32*s*. 7½*d*. for May-August.

London Drug-auctions.

Commercial Sale Rooms,
Mincing Lane, April 2, 1914.

Owing to the Easter holidays intervening, the next drug-sales will take place on April 30.

New and second-hand drugs, comprising nine catalogues, were offered, and although no further sales will be held for a month, the tone was poor on the average. Cape aloes was plentiful and neglected, as was buchu. Sumatra benzoin was in good demand at firm rates. Copaiba was cheaper on forced sales, and cardamoms were irregular, but 1*d*. to 2*d*. cheaper. Colocynth apple sold cheaply. Fine dragon's-blood was held for an extreme price, but business was done subsequent to auction. Elemi was forced off at a decline for ordinary quality. Hayti honey in quantity sold at a low figure. Ipecacuanha is steady, with a good business done privately in Matto Grosso. Jalap was cheaper for unprotected lots, and Java kola was easier. West Indian distilled lime oil brought full rates. Myrrh neglected. Mogador orris brought higher rates, being scarce, and in orange-peel business was done at firm prices. Rhubarb was steady for High-dried, of which the bulk of sales consisted. Grey Jamaica sarsaparilla was 1*d*. better on the previous auction, while native Jamaica improved 1*d*. to 2*d*. Tinnevelly senna was mostly offered from second-hands, and failed to sell. Turmeric is a dead letter, and beeswax is firm and still scarce. The following table shows the quantity of goods offered and sold:

	Offered	Sold
Agar-agar	5	0
Aloes—Cape	75	10
Curacao (cs.)	10	0
Socotrine (kegs)	20	0
Ammoniacum	7	0
Antimony	10	0
Balsam peru	2	0
Balsam tolu	17	0
Belladonna-root	1	0
Benzoin—		
Palembang	143	0
Siam	19	0
Sumatra	121	48
Buchu	24	0
Calumba	74	0
Cannabis indica	9	*4
Cantharides	3	0
Cardamoms & seed	225	60
Cascarilla	32	1
Cascara sagrada		
(tons)	5	0
,, (pkgs.)	100	0
Cassia fistula	10	10
Castor-seed	71	0
Chiretta	10	0
Cinchona	12	0
Colocynth	18	3
Copaiba	10	3
Croton-seed	35	0
Cubebs	10	0
Cuttlefish-bone	35	0
Dragon's-blood	44	1
Elemi	43	43
Ergot	13	0
Eucalyptus oil	21	0
Euphorbia pil.	9	0
Galbanum	5	0
Gamboge	14	2
Gum acacia	58	0
Ipecacuanha—		
Cartagena	10	0
Matto Grosso	25	1/4
Jalap	12	1/2
Kamala	10	0

* Sold privately.

	Offered	Sold
Honey—		
Cuban	5	0
Demerara	2	0
Hayti	127	127
Jamaica	19	7
New Zealand	48	0
St. Lucia	5	0
San Domingo	7	0
Kola	51	51
Lime-juice	12	0
Lime oil	8	4
Mastich	3	0
Myrrh	54	0
Olibanum	72	0
Orange-leaves and flow.	32	3
Orange-peel	35	20
Orris (Mog.)	10	10
Puree	1	0
Rhubarb—		
China	61	11
Ch. Rhap. (bgs.)	50	0
Salep	5	0
Sandarac	5	0
Sarsaparilla—		
Grey Jam	13	12
Lima-Jam.	20	6
Native Jam	7	6
Seedlac	30	0
Senna and pods—		
Alex.	50	22
Tinnevelly	88	24
Squill	16	0
Strophanthus	8	0
Tamarinds (W.I.)	44	0
Tonka-beans	16	0
Tragacanth	1	1
Turmeric	242	0
Wax (Bees')—		
Australian	8	8
East African	19	9
East Indian	55	0
Jamaica	7	7
Morocco	12	0
Syrian	2	0
Wax, Chinese insect	7	0

Aloes.—Cape was neglected and easier, ten cases only being disposed of, comprising Mossel Bay (usual 20-per-cent. tares), fair bright firsts at 38*s.* 6*d.*, and dull hard seconds at 34*s.* 6*d.* to 35*s.*; for good hard bright 40*s.* was refused.

Antimony.—Ten cases China crude were limited at 14*l.* 10*s.* per ton.

Balsam Tolu was limited at 2*s.* 2*d.* net per lb. for seven cases fair, part slightly drossy quality; and for another lot of 10 cases, a little softish and of fair flavour, 2*s.* 3*d.* net was wanted. Privately, good hard is quoted at 2*s.* 4*d.*

Benzoin.—In demand at steady rates. The principal sale consisted of 30 cases of ordinary Sumatra seconds with small to bold almonds, and false-packed ends at 6*l.* 12*s.* 6*d.* per cwt., and for a further 15 cases in other interests 6*l.* 10*s.* partly subject was paid. Three cases of fair cross-cut seconds sold at 7*l.* Fair Palembang in tins was held at 65*s.* per cwt. The *Kitano Maru* has brought 13 cases from Penang.

Buchu.—Although a fair selection offered, no business was done publicly; good green round leaf, slightly stalky, was limited at from 5*s.* 2*d.* to 5*s.* 3*d.*, and ovals at from 2*s.* 2*d.* to 2*s.* 5*d.*

Cannabis Indica.—The price of rather dusty Bombay tops was 7*s.* per lb., at which business has been done privately.

Cardamoms.—Sold at an irregular decline of from 1*d.* to 2*d.* per lb., the following prices being paid: Ceylon-Mysore extra bold fine pale, 6*s.*; good bold fine pale, 5*s.* 6*d.* to 5*s.* 9*d.*; bold dullish, 5*s.* 5*d.*; medium-sized fine pale, 5*s.* 2*d.*; small to medium fine pale, 4*s.* 7*d.* to 4*s.* 10*d.*; fine pale splits, 4*s.* 9*d.*; medium, 4*s.* 5*d.*; extra bold pale, few open, 5*s.* 3*d.*; tiny pale, 4*s.* 3*d.*; very small, 3*s.* 11*d.*; ordinary to good brown split and pickings, 3*s.* to 4*s.*; fair seed, 4*s.* 7*d.* to 4*s.* 9*d.* Arrivals aggregating 300 packages have arrived from Ceylon and India this week.

Cassia Fistula.—Ten baskets fair sound sold at 15*s.* per cwt.

Colocynth.—For three cases small to medium palish Turkey apple 3*d.* per lb. without reserve was paid. A protected lot of small to bold dullish apple was limited at 5*d.*

Copaiba.—Three drums of thin cloudy South American sold without reserve at from 1*s.* 4*d.* to 1*s.* 5*d.*, being cheap.

Dragon's-blood.—A new lot of 11 cases of reboiled lump of fine bright colour was bought in at 25*l.* per cwt.; it is about twelve months ago since this quality was offered, but the present price is prohibitive. A case of London pickings from the above parcel sold at 16*l.* 2*s.* 6*d.*; eight cases of common native pickings were bought in at 15*l.* per cwt. Since the auction sales of the fine quality above referred to have been made at secret prices.

Elemi.—A lot of 30 cases sold without reserve at from 34*s.* to 35*s.* for fair palish paste, and at from 31*s.* 6*d.* to 33*s.* 6*d.* for ordinary to middling yellowish.

Gamboge.—Two cases of bold damp Saigon of dull ricey fracture sold at 5*l.* 15*s.* per cwt. subject; for two cases fair bright unsorted, part blocky, a bid of 12*l.* 5*s.* is to be submitted to the owner.

Honey.—Slow of sale. A few barrels of fair palish set Jamaica sold at 28*s.*, brown set at 22*s.* to 25*s.*, and inferior sugary at 18*s.*; the principal sale was a line of 127 barrels Hayti, which sold cheaply, including nice palish-set at 28*s.* 6*d.* to 29*s.*; common brown to fair brownish set 16*s.* to 21*s.*, dark amber setting 16*s.* to 17*s.*, and common dull brown setting 12*s.* to 15*s.* per cwt.

Ipecacuanha is firm. Privately between 25 and 30 bales Matto Grosso have been sold at up to 8*s.* 3*d.* In auction 8*s.* 3*d.* was the limit for good bright natural, and 10 bales had been disposed of privately. Two bales of fair leanish sold at 8*s.* and two bales sea-damaged at 7*s.* 7*d.* Cartagena was limited at 7*s.* for fair.

Jalap.—Nine bags (5.2 per cent.) sold without reserve at from 4½*d.* to 4¾*d.*, and three bags (9.4 per cent.) at 8¾*d.* per lb.

Kola.—Easier; 50 bags of fair, part darkish Java sold at 2¾*d.*, and pickings, part wormy, went at 1½*d.*; a single bag of fair West Indian halves sold at 3½*d.*

Orange-peel firm, four cases of fair bright Tripoli strip selling at 1*s.* 6*d.* per lb.; 15 bags common quarters sold without reserve at 1*d.* per lb. "if pay charges."

Orris.—Morocco being scarce brought a high price, ten bags selling at 52*s.* for good plump to fair.

Rhubarb.—Rather more than usual sold in public sale, including a case of small round and trimming root Canton at 3*s.* 3*d.*, and eight cases medium to bold flat High-dried, with three-quarters fair pinky fracture, at 11*d.* to 1*s.* Four cases had been sold privately.

Sarsaparilla.—Grey Jamaica, of which 12 bales offered, was about 1*d.* dearer at from 1*s.* 10*d.* to 2*s.* per lb. Native Jamaica was 1*d.* to 2*d.* dearer, six bales selling at 1*s.* 2*d.* for good red and 1*s.* to 1*s.* 1*d.* for dullish to fair red, partly press-packed. Lima-Jamaica was steady, six bales of fair selling at 1*s.* 8*d.* Business has been done in second-hands at 2*s.* for grey Jamaica; Mexican is quoted 11*d.* on spot.

Senna.—Tinnevelly was neglected, the bulk of the offerings being from second-hands. A few bales of bold green leaf sold at 4¾*d.* and middling greenish at 2½*d.* per lb. A string of 19 bales Alexandrian leaf sold at from 5½*d.* to 8½*d.*, as to quality. Two bales *pods* sold at 8*d.* without reserve for dull Mecca; a bale of slight sea damaged Alexandrian pods realised 1*s.* 2*d.*, and for good pale 1*s.* 6*d.* was wanted.

Wax, Bees'.—Jamaica was firm, seven barrels selling at 9*l.* 5*s.* per cwt. for good red and brown mixed. Bleached Calcutta was limited at from 8*l.* 12*s.* 6*d.* to 8*l.* 15*s.* per cwt. Of East African nine blocks sold at 8*l.* 2*s.* 6*d.* per cwt. for fair, part dark, and drossy: a bid of 7*l.* 10*s.* is to be submitted for dark Mozambique. Eight bags of fair Australian sold at 8*l.* per cwt. In Liverpool Gambia is quoted at 8*l.* 10*s.* per cwt.

Manchester Chemical Market

March 31.

So far as can be ascertained, there has been a quiet feeling throughout the month in heavy alkalies. White powdered arsenic rules about 5*s.* per ton lower on the month. British refined crystal borax is unchanged at 17*l.* 10*s.* per ton. There has been a strong advance in citric and tartaric acids, while oxalic and picric remain unchanged. Cream of tartar steady. Sulphate of copper shows signs of recovery at the close, though it is about 10*s.* per ton lower on the month, and may be quoted at from 21*l.* 7*s.* 6*d.* to 22*l.* 12*s.* 6*d.* per ton delivered Manchester. Foreign acetate of lead is 5*s.* lower. Wood naphthas are unchanged. In potashes, Montreal, ex store Manchester, is quoted 36*l.* per ton, as against 38*l.* per ton last month. Recovered sulphur is 5*l.* 5*s.*; roll, 7*l.*; and flowers, 7*l.* 10*s.* Sulphate of zinc, 9*l.* per ton. In coal-tar products the market will doubtless be affected locally by the serious fire at Hardman & Holden's works at Newton Heath, but so far there has been no change here in their particular products. Benzols show a reduction of about 1*d.* per gal. for all percentages; carbolic, crude, and crystals about unchanged. Creosote fractionally dearer. Solvent and miscible naphthas on the easy side, and favour buyers to the extent of ½*d.* per gal. Sulphate of ammonia is about 3*s.* 9*d.* per ton lower.

Heavy Chemicals.

General conditions in the heavy-chemical market continue much the same as recently reported, and there is no great pressure in any section. Inquiries on forward account are rather better. Values are mostly maintained at unaltered figures.

Sulphate of Ammonia.—The quietness in this branch has continued, and quotations are again slightly lower. The demand both from middle people and abroad is on the low side at present. Nearest figures are: London, 25 per cent., 11*l.* 12*s.* 6*d.*; Leith, 12*l.* 7*s.* 6*d.*; Liverpool, 12*l.* 6*s.* 3*d.*; and Hull, 12*l.* 5*s.* Practically nothing of moment is being done on forward account.

Lead Products are lower. White lead, 26*l.*; red lead, 20*l.*; and pig lead, 19*l.* 10*s.* to 19*l.* 15*s.* per ton Tyne.

Benzols.—A large insurance has been placed in the insurance market at twenty guineas per cent. to secure the payment of a total loss should a tax on benzol be imposed in the forthcoming Budget. By the Budget of 1909 a tax of 3*d.* per gal. was imposed on all petrol used for motor vehicles.

Alumina Products.—The general demand on contract account keeps manufacturers fairly well employed, and values show no tendency towards decline. Crystal alum, lump, 5*l.* 17*s.* 6*d.* to 6*l.* 12*s.* 6*d.*; and ground, 6*l.* 12*s.* 6*d.* to 7*l.* 7*s.* 6*d.* per ton, on rails Lancashire or Yorkshire or f.o.b. Hull, Goole, or Liverpool. Sulphate of alumina, purest qualities, practically free of iron, 5*l.* to 5*l.* 10*s.* per ton for ordinary strength in casks, with usual allowances for loose slabs and customary extras for higher concentrations. Alumino-ferric, 52*s.* 6*d.* to 60*s.*, and aluminous cake, 52*s.* 6*d.* to 60*s.* per ton, according to quality, quantity, and destination. Hydrate of alumina, purest quality and high strength Al_2O_3, 12*l.* 10*s.* to 13*l.* 10*s.* per ton in casks free on rails. Dried pulp hydrate of alumina, lump, about 50 per cent. Al_2O_3, 35*l.* to 36*l.*; and ground, 37*l.* 10*s.* to 38*l.* 10*s.* per ton. Aluminate of soda, purest quality and high strength Al_2O_3, 27*s.* 6*d.* to 30*s.* per cwt. Carbonate of alumina, 30*s.* to 32*s.* 6*d.* per cwt.

Continental Drug and Chemical Markets.

Acetone.—Several months ago there was a considerable decline, which has now been followed by a further fall of about m.10 per 100 kilos. This reduction is principally to be ascribed to a struggle between the makers.

Cassia Lignea.—The downward movement has at last come to a standstill; present prices are actually very low, and involve little risk. The position of the article will improve as soon as the demand becomes more active.

Cevadilla continues firm, as the crop was actually as small as originally reported. Offers from primary sources were equal to m.125 per 100 kilos. first cost. A further increase is shortly expected, as only limited shipments are being received. Some arrivals were of such inferior quality that they are useless for home consumption, especially as good dark ripe seed is preferred.

Colocynth.—An attempt was recently made by Syrian dealers to create a monopoly, in order to obtain better prices, but it is at present uncertain whether this measure can be carried through. Values have, however, arrived at such a low level that dealers in Syria can scarcely derive any profit. During the last few years, in consequence of the large stocks from previous crops, and on account of the unprofitable prices, hardly any collection has taken place. The large stocks have, therefore, been considerably reduced, and especially whole apples without loose seed are already scarce, and increased prices are asked.

Glycerin.—The quotations for crude glycerin remain unaltered on the Paris Exchange, and consequently the price of chemically pure is also unchanged at about m.162 per 100 kilos. Consumers, however, prefer to buy from hand to mouth at the moment.

Ipecacuanha.—Rio is very firm, with only trifling amounts offered and bought at m.18.50 to m.18.75 per kilo. New supplies of Cartagena stopped the rising tendency, so that spot (Hamburg) can be bought again at m.14.25 to m.14.50.

Quillaia is quiet, with only a small business in whole. Market in Chili continues very high. The prices for cut were depressed for unaccountable reasons. For prompt delivery m.70 is asked, and later delivery m.69.50 per 100 kilos., but the prices asked are being willingly paid.

Thymol.—The price of prompt is quite unchanged, but the position for forward is somewhat easier, as it is possible to obtain cheaper offers for May delivery and beyond. Larger arrivals of raw material are to be reckoned upon later on, which, in view of the competition between makers, may possibly give rise to still lower prices.

Commercial and Produce Notes.

West Indian Drug-products.

The "Agricultural News," referring to the work of the Imperial Department of Agriculture for the West Indies, deals with the extension of the cultivation of useful plants in the islands under its supervision, and makes the following remarks on plants closely connected with the drug-trade. After considering sugar and cacao, the writer says: "We will now turn to the lime-juice market, not because lime-cultivation constitutes at present the next most important industry in the West Indies, but because the market has been phenomenally good. Concentrated lime-juice in London rose steadily up to 33*l.* in December, and the benefit of this favourable state of the market does not end with the sales of produce. At the present time the extension of lime-cultivation is being urged, and the market must function as an important factor of encouragement. It will be necessary, however, to keep a watchful eye on Sicily, and also to remember that the increased production which is taking place in the West Indies tends to destroy the very thing it tries to make the most of. Reduction in the cost of production, therefore, should never be lost sight of, in view of the possibility of a depressed market in the future. The fresh-lime trade with New York has been equally satisfactory as regards prices, but due care has not been exercised in the shipment of uniform produce and in its despatch at the time when a demand exists to meet the supply. It is believed, however, that several lessons have been learnt in this respect, and the errors are not likely to be repeated." Referring to lime oil, the writer says it has continued throughout the year to find buyers at rising prices, a circumstance probably due to the high range of values for lemon oil. The product of West Indian sandal-wood oil is also referred to as a satisfactory feature. Referring to bay oil, the writer says: "In regard to the stability of the market for the produce of other minor cultivations, reference may be made to the demand for bay oil, which has continued throughout the year to be extremely sustained, in spite of the serious competition which bay-rum—an article formerly so very popular—is suffering from the innumerable hair-washes of the present day. According to reliable reports, it is likely that prices for bay oil will continue to remain steady, which should give confidence to those who contemplate planting bay-trees in the West Indies."

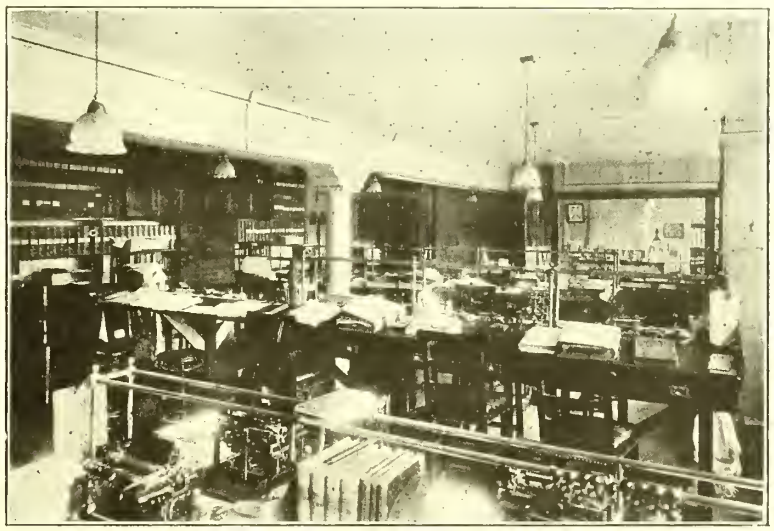
Persian Otto of Rose.

In the course of a British Consular Report on the trade of Bushire, Persian Gulf, for the fiscal year March 21, 1912, to March 20, 1913, it is stated that hitherto there has been no attempt to place Persian essential oil of roses on the European market, and the output has been limited to requirements in Persia and India, some 2,500 miskals, or 320 oz., annually; but, owing to the low Bulgarian crop and the favourable opportunity occurring, small experimental consignments were sent to London in 1913. The price of the Persian article ranges from 12 to 15 krans (4*s.* 4*d.* to 5*s.* 6*d.*) per small bottle (eight to the ounce). Adulteration is said to be practised to some extent by the distillers with both vegetable and highly refined mineral oils. Persian otto has marked qualities of its own, which make it quite different from the Bulgarian product. One analysis made in London gave the following results: Melting-point, 26° to 27° C.; optical rotation −3°; refractive index, 1.456. In regard to Persian rose-water, the report states that there was a great increase in the export, 271 tons, valued at 6,532*l.*, compared with 189 tons, valued at 3,790*l.* This product is obtained in one small district of Fars, between Bushire and Shiraz, where roses have been famous for many centuries, and there is extensive cultivation. Distillation of the rose-petals and manufacture of rough glass carboys and bottles are special industries in the district. The total output of rose-water has been estimated at 400 tons, or 10,000 cases, but there is considerable consumption in Persia itself. Actually the quantities exported in 1912-13 were 6,519 cases, weighing 187 tons, and 6,040 carboys, weighing 82 tons, to India and Bahrein. So far there has been no demand from Europe. The yield of roses was larger than usual in 1913, but owing to lack of rain, a vegetable product, which is used with certain local earths in manufacturing the crude green-glass carboys, was not obtainable in sufficient quantities, and there was a smaller output of rose-water than usual, which will probably be noticeable in the figures for 1913-14. Prices were in 1912-13 20 to 22 krans (7*s.* 3*d.* to 8*s.*) per carboy of about 39 lb., and 36 to 40 krans (13*s.* to 14*s.* 6*d.*) per case, weighing about 62 lb. (twenty-one bottles), or 1¾ kran per bottle.

The House of Maw.

CONSIDERABLE changes have recently been made in the export department of Messrs. S. Maw, Son & Sons, 7 to 12 Aldersgate Street, London, E.C., and it is appropriate that they should be described in The Chemist and Druggist.

With this object in view, one of our staff has inspected the changes under the guidance of the firm's export manager, Mr. Robert Leng, who for over forty-two years has been identified with this branch of the business, and is well known to chemists in many parts of the world. It need hardly be said that the export department of Messrs. Maw's business is conducted with a special staff, having separate offices and packing floors quite distinct from those devoted to the home trade. It is occasionally necessary to emphasise this fact. Devoting ourselves for the moment to the new offices, we find that these have now been concentrated on the second floor. This removal constitutes the third during the past decade, and has been necessitated by increasing export business, which was carried on under very cramped conditions. Accommodation for the export department was first provided on the ground floor, and when it became congested there it was removed to the first floor, and now the permanent location (so it seems at present) is on the second floor, where a handsome and spacious suite of offices, covering a superficial area of 1,800 square feet, overlooking Aldersgate Street, has been appropriated.



A Glimpse of the Export Office.

The splendid accommodation now provided reminds one of the interior of a bank, the furniture and ranges of desks being of polished mahogany with brass fittings. A feature of the new offices is the immediate control exercised, the various sections (comprising about fifty clerks) being directly overlooked and supervised from the export manager's office, which is fitted with glass partitions. The manager's room is fitted with general and house telephones, the latter to all departments and the principals' room. The general office is well equipped with modern conveniences in the way of loose-leaf ledgers and filing systems, one of the latter giving quick reference to letters received, say, within the past three years.

The many years of experience entwined in the business organisation of the House of Maw has made the firm *facile princeps* in the execution of Colonial and foreign indents, all of which are taken directly to these offices, where they are opened and dissected. The goods ordered are then requisitioned from the various departments of the house, and are assembled together on the export-packing floor in the basement ready for checking and packing, this being done by a staff of packers having expert knowledge as to packing for all climates—a very important factor in the shipment of druggists' sundries. During our inspection of the offices we noted several travellers' sample-cases, which were being filled for the firm's New Zealand representative. The renewal of these cases with fresh samples is undertaken every year, and is directly under the supervision of Mr. Leng. Seeing that foreign travellers now make stays abroad of several years' duration, and penetrate to the outposts of civilisation (one recently completed a tour in North Queensland), it requires great discrimination and care to see that no space in the sample-cases is wasted, but, on the other hand, to see that the representatives are kept well posted on all novelties and seasonable lines. This the firm do by a system peculiarly their own, including the issue of their MS. monthly circular and a liberal use of week-end cables. In addition, we may mention that Maw's weekly page in the *C. & D.* (eleven, like their location and telegraphic address) forms a fitting complement to their other arrangements for keeping travellers well posted in novelties. When it is considered that they have no fewer than twenty-five representatives working in all places on the earth the onerous work of the managerial department will be recognised. The extension of the foreign parcel-post enables customers to take advantage of the cheaper rates and better facilities now ruling, and the firm are co-operating in this direction. Indeed, it will be seen that a special department is allotted to this work alone. Frequently an indent contains several special lines required to be despatched at once, and at the time of our call we were shown several orders from India, Australia, South Africa, and Japan, the address-labels for which were being printed by Roneo.

The execution of Government contracts on behalf of the War Office, the Admiralty, India Office, etc., which has always been a feature of the export trade, is attended to in this department in a separate room to the right of the main office. Here we found immense supplies of lint, dressings, bandages, and the like, all carefully stored and bearing a special and distinctive label. Descending to the basement, a brief inspection of the export-packing floor, with everybody working at high pressure, brought an interesting visit to a close. Prominent in the visitor's recollection are the stacks of tooth-paste, feeding-bottles, wool, menthol cones, and other goods. Concentration *in excelsis* reigns here, this being the penultimate stage in the execution of indents, as shown by the serried rank of huge wall-bins containing a varied assembly of orders in process of completion and others ready for despatch. Similar work is carried on at a range of counters divided into sections, and we noted orders from many *C. & D.* readers—*e.g.*, from far off New Zealand as well as from our Continental neighbours, which reminds us that the firm have a special European representative who visits France, Germany, Belgium, Switzerland, and Italy at regular intervals.

Mr. Leng reports business as having been very favourable during the past year, and the prospects for 1914, from present indications, he considers excellent, Canada especially proving a fine field.

The carpenter of a Chinese steamer was recently fined $4,200 at Hong-Kong for being in possession of a quantity of cocaine without a permit.

The Government of Dominica (Leeward Islands) are the latest of British possessions to regulate the trade in opium, morphine, cocaine, and similar drugs.

Our American Letter.

(Special Correspondence to the "C. & D.")

Mr. Otto Raubenheimer has resigned the editorship of the "Practical Druggist," and is to devote his time to the work of revising the Pharmacopœia and National Formulary. He is a teacher in the department of pharmacy of the University of the State of New Jersey, and carries on a pharmacy at Brooklyn.

Dr. R. V. Pierce, the originator of the "Golden Medical Discovery" and President of the World's Dispensary Medical Association, has died at the age of seventy-four. He started to practise medicine in 1867, and soon afterwards began the manufacture of proprietary medicines, the most important being the "Golden Medical Discovery."

Selling Poison by Post.—Mr. Oscar W. Smith, New York manager for Parke, Davis & Co., has been prosecuted for sending heroin through the post, but the case was afterwards abandoned by order of the Attorney-General. It turns out that contradictory circulars have been issued by the Post Office, one edition permitting the mailing of poisons and the newer edition reversing the practice allowed in the earlier one. Mr. Frank G. Ryan, president of Parke, Davis & Co., states that: "The order of heroin tablets, which was filled by our New York branch for Carter, Carter & Meigs, wholesale druggists, of Boston, would not have been refused by a single manufacturer or jobber in the United States. It is plain on the face of the whole affair that the action of our branch was taken innocently and with no thought of violating the law, even technically. The only result will be now to cause great inconvenience to the pharmacists and physicians of the United States. If they are to be denied the use of the mails and parcel-post for the perfectly legitimate transportation of drugs required in the practice of medicine, they will simply have to be content with service by freight and express."

Food and Drugs Act Decisions.—Recent notices of judgment given in pursuance of Section 4 of the Food and Drugs Act include the following: No. 2,529, essence of wintergreen, adulterated and misbranded by colouring with coal-tar dyes (light green S.F., yellowish and naphthol yellow S), and containing less than 3 per cent. of oil of wintergreen. No. 2,631, oil of wintergreen, consisting of methyl salicylate. No. 2,535, oil of lavender containing glycerin esters. No. 2,537, ox-aline meat colour, consisting of salt 59.09 per cent., coal-tar colour (Ponceau 3 R), and borates; misbranded owing to the presence of boric acid and declaration that it is purely vegetable. No. 2,539, oil of anise with a congealing-point 11° C., the Pharmacopœia requiring that this should not be below 15° C. No. 2,540, oil of cassia, differing from the standard of the U.S. Pharmacopœia and containing added resin and lead. No. 2,541, oil of lavender adulterated with glyceryl esters. No. 2,544, oil of cajuput containing copper. No. 2,548, Dexter's headache and antipain powders, containing acetanilide, and exaggerated claims made as to curative properties.

Food and Drug Act Administration.—Among the service and regulatory announcements sent out by the Bureau of Chemistry on questions arising under the Food and Drugs Act is a letter directing that in future shipments of poppy-seed are to be examined for the presence of henbane-seed. The injuriousness of the mixture has been pointed out by the Director of the Pharmacological Institute of Berlin. The proper labelling of mineral-water salts for medicinal use is the subject of another letter to branch laboratories. The terms Vichy salt, Kissingen salt, Carlsbad salt, etc., without qualification may be used only upon packages of salts obtained upon evaporation of the natural waters. The artificial salts—Vichy, Kissingen, and Carlsbad—being recognised in the National Formulary, must correspond with the formulæ therein. Any other artificial salt, such as Hunyadi salt, should be prepared in close imitation of the natural salt and according to the principles followed in the Formulary. Since the calcium and magnesium bicarbonates of the natural waters become insoluble upon evaporation, the alkalinity of the artificial water may be made equal to that of the natural by using sodium bicarbonate in the artificial salts to represent the alkalinity due to the calcium and magnesium bicarbonates. The medicinal effect of the magnesium may be obtained by using enough magnesium sulphate to furnish magnesium equivalent to the total magnesium of the water. A mixture of the salts present in the natural water in predominating amounts will produce a satisfactory artificial salt, but, in any case, if the water is named after any one or more of its ingredients, such ingredients must be present in the artificial water bearing that name. The directions for the amount of salt to be dissolved in a given amount of water should be such as to produce a water corresponding closely to the natural in strength, unless the directions specify that the resulting water will be half-strength, double-strength, etc. The methods of preparing effervescent artificial mineral-water salts are to be those laid down in the National Formulary. The word "effervescent" must not be omitted. When sugar is present it must be indicated on the label. Other ingredients must not be omitted that materially alter the character of the product.

Our German Letter.

(Special Correspondence to the "C. & D.")

Dr. Ferdinand Flury, of Würzburg University, who in a recent issue was stated to have been appointed inspector of the Pharmacy Department of the Turkish Army and Professor at the School of Medicine at Haidar-Pasha, near Constantinople, has decided not to accept the appointment.

Students at Universities.—During the present winter semester 5,015 foreigners are studying in German universities; of these, 2,259 are Russians, 150 are from Great Britain, and Montenegro is represented by six students. Of these foreigners, 2,173 are students of medicine, and only fifteen of pharmacy.

Professor Dr. Paul Ehrlich celebrated his sixtieth birthday on March 14. His former and present collaborators presented him with a "Festschrift" of 700 pages, being a *résumé* of his scientific achievements and their important bearing upon medicine. Addresses were presented by a large number of scientists, telegrams of congratulation were received from all parts of the world, and the otherwise quiet home of the eminent scientist in Frankfort o/M. resembled a magnificent flower-garden.

A Druggists' Exhibition, being the third promoted by the German Druggists' Association of 1873 (Berlin), will be held in the exhibition-halls of the Zoological Gardens, Charlottenburg, Berlin, from September 9 to 20. Extensive preparations are already being made by the Association, which has adopted the abbreviated name of "Droga," in order to ensure a great success to the Exhibition. Information can be obtained from the offices of the Drogisten Verband, Köthenerstrasse 26, Berlin, W. 9.

The Council of the German Apotheker-Verein has decided to present a petition to the Kaiser in which the wishes and grievances of the German pharmaceutical profession are set forth, and praying for a thorough inquiry into the same by the Imperial as well as Prussian authorities. It is not stated whether this petition will refer only to the long-entertained wishes for a complete revision of the bases of the official prescription tariff, or whether the whole question of pharmacy reform, also an old aspiration, is made the subject of this step.

The Inspection of a Druggist's Shop recently brought to light a large stock of medicines which may only be sold in a pharmacy, such as morphine, codeine, digalen, and other potent drugs. These were kept in the water-closet so as to avoid discovery. The State Prosecutor demanded the infliction of a fine of 6*l.*, but the Court exceeded this by imposing a fine of 15*l.*, in view of the extreme gravity of the offence and of the great danger to the public health which could easily arise by the illegal sale of such potent remedies without proper precautions.

Riedel's Centenary.—March 15 was the hundredth anniversary of the foundation of the chemical firm of J. D. Riedel in Berlin. The founder of the firm, Apotheker Johann Daniel Riedel, purchased in 1914 the "Schweizer Apotheke zum gekrönten schwarzen Adler," situated in Friedrichstrasse in Berlin. This pharmacy was granted its privilege in 1770 by Frederick the Great on behalf of the French colony in Berlin. Riedel undertook the manufacture of chemicals, and in the early 'twenties of last century he was the first in Germany to prepare quinine on a large scale for the Prussian State Bank (Königliche Preussische Seehandlung). Upon his death in 1843 his eldest son, Apotheker Gustav Riedel, took over his father's pharmacy and greatly extended the premises. In 1874 he transferred the pharmacy to his son Franz Riedel, while, with his other three sons, he erected a new factory in Gerichtstrasse. In 1905 the firm was transformed into a joint-stock company, and now has a capital of 350,000*l.* In May 1912 the large new works in Berlin-Britz were opened.

The Exports of Asafetida from Bunder Abbas during 1912-13 amounted to 376 tons (23,361*l.*), against 338 tons (17,611*l.*) during 1911-12 and 344 tons (15,539*l.*) in 1910-11. The destinations in 1912-13 were 104 tons to the United Kingdom and 250 tons to India.

Correspondence

Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Diachylon Plaster.

Sir,—I am glad to see the Newcastle decision is having its effect. I decided some time ago not to supply, and only last week refused to supply a lady who asked for ½ lb.

Yours faithfully,

Whitehaven. W. H. Gass.

No Penny Keating's.

Sir,—My attention has been drawn to the fact that there is a man going round the East-end of London calling on shops and endeavouring to sell a new penny packet of "Keating's," and saying that he has been sent out by me. Might I call the attention of the trade to this?—for I have no travellers whatever; the man is not sent out by me, and has no authority to use my name—in short, the man is a fraud.

Yours faithfully,

London, S.E. Thomas Keating.

Business with Alberta.

Sir,—I recently received from Mr. George M. Hall, the Industrial Commissioner of the city of Edmonton, in the Province of Alberta, a suggestion that if he could be furnished with catalogues published by the British manufacturers who wish to extend their overseas trade, he will be pleased to have them placed upon record in his office and advertise the fact, in the hope that it might serve to help merchants in his neighbourhood to obtain some kinds of goods that they do not get now, and also to help some at least of the British manufacturers to sell their goods in Edmonton.

Yours faithfully,

John A. Reid.

1 Charing Cross, London, S.W. Agent-General.

Sub-Postmasters.

Sir,—Following on "Xrayser's" comments of March 7, I was induced to go into the figures of my post-office, and I append them:

Turnover Yearly.—20,000*l.*
Customers Weekly.—4,000.
Salary.—70*l.* (¼ per cent., ½*d.* in 1*l.* roughly).
Less clerk's wages, 52*l.*
Less shortages, 5*l.*, and errors in change.
Less holiday relief clerk, 5*l.*
My Net Salary.—8*l.* per year.

In 1904 I could manage with a girl of seventeen years of age at 8*s.* a week wages. In 1914 the work is so heavy and the responsibility so onerous that it takes a woman clerk of over twenty-one years of age at 1*l.* a week to manage, with two young girls to help her. The shop pays their wages. Rises of salary are about 30*s.* to 40*s.* per year. I sold over 1,500*l.* N.I. stamps in 1913, and I got (I think) 40*s.* for it, less 4*l.* of a shortage which I had on that account alone in 1913.

The good to your business is a myth; lots of people get offended and never deal with your shop if you won't break the rules for them. I never expect custom from the post-office customers; they run in as if they were chased; they come with hatfuls of cash, many of them are deaf and most difficult to serve; many of them can't write or read or count or remember. They never look at your drug-shop. They are always in a hurry, and there's so many of them. The officials, instead of being helpful and conciliating to a man whose shop they are borrowing, and who guarantees them their profit by paying their shortages, are dictatorial; they even try to force you not to leave your place for a day without first humbly asking permission to do so. To merely notify them that you are going on a holiday is "not to ask permission but to take it . . ." as they have said to me often enough. Interminable reports about nothing are the daily routine; they don't want the facts, although they ask for them. They return your replies and pester you until you make a stereotyped reply in accordance with P.O. rules or usages, and nothing to do with the actual reasons. They rely on the fact that few men know the difficulties which are to be daily faced when a sub-post-office is taken on, and when you are once in they further rely on the fact that few men care to depreciate the value of their business by telling all the truth about the P.O. part of it.

It is a stumbling-block to the sale of a drug-shop. Young men simply will not have the petty annoyance; and if any of your readers are ever taking on a post-office, let them bear the following points in mind:

1. Insist on a copy of the agreement.
2. Insist on shortages being subject to further investigation if and when discovered, to allow time for errors to turn up (giving, of course, a bank guarantee of your solvency).
3. Get a valuation of all office fixtures (all of which you have to buy) affixed to the agreement. You even have to pay for the P.O. letter-box fixed in your shop-front.
4. Compensation for any extra rent incurred on behalf of P.O. if you are displaced without due cause.
5. Request that no vexatious and trifling demands are to be made on you, and that only one reply is obligatory from you on any one subject.
6. Provide also that you are entitled to leave your business for holidays, so long as you notify the officials and leave an efficient clerk in your place.

The whole trouble (as many magazines are telling us) is due to the higher officials, the public-school men, children in business, men who are swathed in red tape at St. Martin's and know nothing of actual business; they harass the local officials. The only way is to stand up to them, talk business sense, give figures, keep copies of important letters, stick to the public, serve them well, treat them fair and justly, and hit out right and left at any officials who try to impose on you. See that you are right first, that's all. David Moray.

Chemists' Assistants in India.

Sir,—With regard to the query of "Sutlej" (124/14) with reference to the cost of living in the coast towns and the Hills with his wife on Rs. 250 per month, I can only re-echo the immortal "don't" of "Punch." If he is in a crib in England with 50*s.* or over per week he is far better off where he is. I have experience of both Calcutta and the Hills, and I contend that Rs. 250 is the lowest a single man should come out for, while Rs. 250 with a wife is a hand-to-mouth existence which should not be inflicted on a white man. To start with, house-keeping in Calcutta is not possible on such a sum, and you cannot get decent lodgings under Rs. 130 per month, with extra Rs. 15 for bearer and Rs. 10 for dhobie, *plus* an extra Rs. 10 for the indispensable fan during at least seven months in the year. Then everything which makes life worth living is dear, and there is no privacy for anyone. With regard to the balance, a rupee goes no further than 6*d.* at home, so that after paying necessary expenses you have an equivalent of 10*s.* a week left. Is it worth it? Bombay is the same, but Madras is a little cheaper, but oh! the heat! As regards the Hills, you have a decent climate, but the cost of food is extortionate. True, beef is 6*d.* per seer of 2 lb., but you get about 60 per cent. of bone in it; mutton is 10*d.* or 1*s.* per seer, with the same proportion of bone; and both are tough and flavourless. Vegetables are dear, while tinned provisions are unavoidably dear, on account of the long railway journey. Oil is dear, although in the particular Hill station I was in you got a magnificent electric-light service at 4*d.* per unit and the purest of water at 1*s.* 4*d.* per thousand gallons. In conclusion, I advise "Sutlej" not to bring out his wife to anywhere in India except the Hill

stations, and then not at all unless he gets a minimum of Rs. 300 a month, with yearly increase of Rs. 25, *plus* furnished quarters. Yours sincerely,

Calcutta. Ernest Boulton.

Prescribing Proprietaries.

Sir,—With regard to "Xrayser H.'s" and "Scrutator's" remarks *re* prescribing proprietaries, it may be bad to have an order for five hundred tablets of A B's make, but it is far worse to have an order for twenty-five and have the other seventy-five left on your hands. The same applies to "Mist. X Y Z" and so on. The week before this year's Tariff came to hand I had orders for four proprietaries, all of which the Surrey Committee refused to pay for. Luckily I wrote first before attempting to get them. Upon receipt of this year's Tariff with the card of instructions of what was to be charged to the Drug Fund, I determined to take a note of everything ordered not mentioned in either the B.P. or the Tariff, with the following result: In 429 scripts (many with two items, some with three and four, one with even five) only five drugs not in the B.P. were ordered—viz., acid. aceto-salicyl., liquor. adrenin., guaiacol, methyl salicylate, and senna-pods All these I should imagine will be in the next B.P. Two preparations left out of the 1885 B.P. were ordered—tr. chlorof. comp. and tr. chlorof. et morph. Why the first was left out and the second changed was, and is, a mystery to a good many of us. Only methyl salicylate, guaiacol, senna-pods, and tr. chlorof. co. are not mentioned in the Tariff, and if one stretched senna to include pods as well as leaves, that is mentioned. Not one proprietary has been ordered by panel doctors, but, alas! they are too frequent otherwise. It would appear from a cold examination of these actual facts that the B.P. is not quite such a foolish work as some interested parties would make out, always providing one important thing—that the doctor understands his business and can think for himself. Yours truly,

Another Single-handed Chemist. (164/18.)

P.S.—The formula for chlorodyne given on page 459 of "Pharmaceutical Formulas" (1898 edition) gives a most splendid preparation, especially if one takes care to use the very best tragacanth. It has earned me the cost of the book, which I bought the first week it was published, many times over. It could be included in the next B.P. with advantage.

Sir,—I have read "Scrutator's" letter in last issue of the *C. & D.* It shows very clearly the difficulty in the prohibition of proprietary articles or drugs in panel dispensing. I am a member of a Pharmaceutical Committee who have been asked to draw up a list of "proprietaries" not to be charged against the Drug Fund. This list has to be submitted to the Panel Committee for consideration, and the finding of the doctors requires the sanction of the Insurance Committee. There is no use denying that the main object in doing this is to stop the depletion of the Drug Fund. The Act has provided each district with a certain sum of money. It has been found to be ample in some places and too little in others. If you examine the districts where cost is excessive, it will be found that as a rule the medical men were dead against the Act and were coerced into panel service. They started to try and wreck the Act by lavish prescribing, with the result that now, when they want to draw in, they run a risk of losing some of their panel patients. There are quite a number of articles, special preparations of malt, cod-liver oil, petroleum oil, etc., sold under fancy names, which are more foods than medicines, that ought not to be ordered for insured persons; but when you come to drugs, such as aspirin, urotropin, diuretin, etc., it is doubtful if the substitutes of a similar nature give as good results. I have known several cases where they failed to do so, therefore Pharmaceutical Committees cannot be too cautious in making recommendations.

Panel Chemist. (178/12.)

Jay Mack and his Ideas.

Sir,—Some thirty years have elapsed since, as a young man, I read the *C. & D.* for the first time. I have not missed many numbers of the premier drug-trade journal. So much for my age.

Not any of Jay Mack's contributions have escaped my notice. On no public platform has he advocated the inclusion of bookkeeping or any other commercial subject in the Preliminary or the Minor examinations—nor, for that matter, has any member of the Council of the Pharmaceutical Society. The Assistants to Chemists and Druggists (Qualification) Bill appears to deal with the question of dispensing only: no mention of commercial subjects there. The advertising columns of the *C. & D.* (and they are the only ones that count) show quite conclusively that a large surplus of registered sellers of scheduled poisons exists. What impression does Jay Mack imagine he has made on embryonic drafters of Parliamentary Bills? At the present moment he is reduced to taking refuge in attacks on employés and commercial travellers—the safety-valve of the grumblers of the past! While his letter had led many to believe that Jay Mack was a Napoleon of the drug-trade, he informs us that his is a business of the "simple homely type," in which no qualified man would waste his time as an assistant. I am not surprised at these admissions, for Jay Mack's views are those of the wrecker. Wriggle as he may, however, the Wheeldon decision holds the field, and Parliament is hardly likely to lend a hand to any weakening of the qualified druggist's sheet anchor. I hold no grandiose ideas on qualified persons, whether in business on their own account or otherwise, but I recall with satisfaction one endeavour to exclude qualified managers from the benefit of the half-holiday hours during the passage through the House of Commons of the Shops Bill of 1911. The result of that attempt is a matter of history. I may remind Jay Mack that registered assistants to pharmaceutical chemists in Ireland are called upon to pass a respectable Preliminary and to undergo a decent apprenticeship. Even then they may transact their employer's business during his temporary absence only. Not much fiddling about with bodies corporate of unqualified persons in Ireland—they have more sense there. Nor is there any police magistrates' decision vesting the sale of scheduled poisons in the registered individual chemist as in Great Britain. And as Jay Mack's precious youths demand as much money in wages as a properly educated assistant, Jay's productions will not appeal to many on the score of economy.

Jay Mack's progress in the "new uniform," across the "Pons Asinorum," would delight all members of any class.

Yours,

G. E. Oliver.

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

National Health Insurance Dispensing in Hants County.

"I have been paid in full for the first year, and, what is more, 2*s.* over the amount of the account that I rendered." — *Plus* (175/32).

The Chemist in Uniform.

"I read in your Supplement of March 14 the very amusing article 'First Day of the Uniform.' On March 10 my uniform arrived and was donned for the first time, and as my duties fall chiefly to attending to counter customers, I had to face the music in full. Enter a maid. 'So you've begun your spring cleaning also, have you?' she said, and other customers who followed made such remarks as (A, chaffingly), 'I'll have four lean chops, please,' (B, a local milkman), 'Who are you umpire for this year—Notts or Forest?' There are three of us, including an apprentice—his coat is not finished yet. He thought he would wait and have the latest—one shaped nicely at the waist is his fancy. To say the least, the jackets seem to be a success with the public, who like the idea of having their medicines served to them under the cleanest possible conditions; secondly, they are a great saving to one's clothes and pocket."—*B. A. Stevenson* (Sherwood, Nottingham).

Gold Size for Burns.

"I was much interested in Mr. Bousfield's letter noting the use of gold size in cases of burns. I am unable to state the composition of 'gold size,' but presume it is a solution of

various gums, oils, and resins in oil of turpentine, the proportions and actual ingredients of which will vary with each manufacturer. If Mr. Bousfield will refer to the Pharmacopœia of the Royal College of Physicians (1809 edition), he will find, under 'Linimentum Terebinthinæ,' a note to the effect that 'it had been introduced because it is very commonly applied to burns, and owes its first introduction to Mr. Kentish, of Newcastle.' The formula for the liniment is:

Resin cerate	a pound
Oil of turpentine	half a pint

The formula for the cerate is:

Yellow resin,	
Yellow wax	of each a pound
Olive oil	a pound

The liniment differs entirely from the official linimentum terebinthinæ of the present Pharmacopœia, but the cerate is practically our unguentum resinæ. Though the liniment contains wax where (probably) gold size contains gum, resins, the idea of their application would be very similar. The liniment would have the advantage of greater flexibility when on the skin, and would probably not require the application of the linseed-oil rag necessary for the size. It seems to me that the use of the size is simply a modern adaptation of this old remedy. A synonym of the above cerate was 'Ceratum Citrinum,' there being no unguentum of that name. It seems a long step from the above cerate to the ointment now supplied as citrine ointment."—*Wm. Nimmo* (Sunderland).

[The following note appears in "Pharmaceutical Formulas" under the formula of *Yellow Cerate*, P.L., on p. 565: "'Citrine Ointment' nowadays is ung. hydrarg. nit. mitius; but how often do people really mean the above when they ask for citrine ointment?" An answer to that question and a tracing of the appropriation of the name to the mercurial preparation would be of value.—Editor *C. & D.*]

Profits and Expenses.

"As one who has been much interested in the discussion on 'Profits and Expenses,' may I venture the suggestion that the solution of the problem is obscured by comparing interest on money invested with the gross profit on a proprietary? Surely these two financial matters are not comparable! In computing the profit yielded by any marketable article it is a recognised custom that the profit be calculated by the simple method of deducting the wholesale from the retail price irrespective of the quantity that may be sold in the twelve months. But the interest accumulating from the investment of a sum of money is reckoned up at stated periods—quarterly, half-yearly, or annually. Is it not, therefore, fallacious to argue that a proprietary which bears 15 per cent. profit on each packet sold yields a profit of 180 per cent. if one dozen be sold annually? But such is the reasoning of some of your correspondents."—*R. A. Jones, jun.* (Warrenpoint).

"'Traveller's' figures appear to be only exaggerated until he reaches 200 per cent. He should have gone further, and added the thousand-and-one other articles sold by chemists, and shown us how many millions per cent. we get in a year—profit, mind you. . . . If he is really a traveller, he reminds me of many others who call on chemists, and expound their foolish ideas of what percentage of profit is. Only a day or two ago one called and informed me that the profit on the article he sold was 25 per cent. 'What does it cost?' I inquired. 'Ten and sixpence per doz.' 'What must it be sold at?' 'Well, it's on the P.A.T.A., and has to be sold at 1*s.* 1½*d.*' 'Then is 3*d.* profit 25 per cent., or a quarter of 13½*d.*?' was my next query. 'Well, it is near enough,' came his reply. It may, Sir, be near enough for him and the firm he represents, but not for retailers, I hope. But I'm afraid he wouldn't care to accept his salary worked out in that way—near enough. I really think he believed he was speaking correctly when he said it was 25 per cent. (I'm dealing with 25 per cent. profit, not adding 25 per cent. to the cost of an article—because there is no profit on an article until it is sold.) Anyhow, no doubt he was repeating what the manager of the firm had told him, or given him in writing, and I expect he had told the same story hundreds of times before; but, as he seemed surprised, I concluded no one had pointed out his error previously. But, to go back to 'Traveller,' if he prefers to reckon the percentage of his profits in the way he mentions, then the only way will be to reckon the percentage of expenses in the same way. So, if my aggregate expenses are 20 per cent. per annum, they will average 20 per cent. per week, per day, or per item sold, and when I have sold the twelve 'A. & H.'s' preparations the expenses will be 240 per cent., or a loss of 40 per cent. So where does the profit come in after all? Of course, Sir, I know, as a business person, that the above method of working out percentage of expenses is wrong, but 'Traveller's' method of working out percentage of profits is no more correct. I could go much further, and ask 'Traveller' some puzzling questions suggested by his remarks, but really have not time to devote to it."—*Cash* (162/74).

Legal Queries.

The majority of difficulties in regard to trade law are anticipated by the legal information printed in "The Chemist and Druggist Diary," 1914. See especially pp. 459-499.

Pyramidon (177/60).—See reply to "Hull" in the *C. & D.*, March 28, p. 81.

W. M. (171/13). A mortgagee cannot take the contents of a house upon which he has a mortgage unless there is an agreement to that effect.

Sanzo (172/57).—Registered trade-marks are renewable every fourteen years on payment of a fee of 1*l.* in respect of each class in which the mark is registered. See *C. & D. Diary*, p. 237.

A. V. L. (176/10).—A claim to proprietary right, as by using one's own name in the possessive case, makes a medicinal preparation liable to medicine stamp-duty, whether the formula is published or not. See *C. & D. Diary*, p. 485, also the Trade-marks paragraph on p. 490.

E. B. (177/67).—Wholesale druggists are not allowed to sell any quantity of rectified spirit without a licence. A concession was made long ago to pharmaceutical chemists and registered chemists and druggists in regard to the sale for scientific purposes of quantities up to 8 oz. See *C. & D. Diary*, p. 498.

Rap (179/37). If it can be proved that the doctor's name is used on your wrapping-paper with his sanction, we expect that somebody will call the attention of the General Medical Council to the matter, and he might have to answer a charge of infamous conduct in a professional respect. Such use of his name is contrary to medical ethics.

Inquirer (162/39).—We do not consider that there is anything either criminal or libellous in the wholesale firm's request to the manufacturers. There appears not to have been any allegation against your credit. An action for damages in the English High Court involves the plaintiff in expenses which may amount to anything from 50*l.* upwards.

M.R.C.V.S. (3/98).—The law as to the use of methylated spirit is the same in veterinary practice as it is in making medicines for human beings. The revenue authorities have given permission for certain liniments to be made with methylated spirit, also that the spirit may be used in compounding lotions and liniments from the prescriptions of medical practitioners.

Company (171/4).—It is not advisable in choosing a *nom de plume* to use one of a town which has nothing to do with the query. It is not necessary in forming a limited company to take over the business of a chemist that any registered chemist should be a signatory. In the event of the company trading as "chemists" a registered chemist must be a director of the company and its superintendent. See *C. & D. Diary*, p. 474. In your case the chemist from whom the business is bought may continue as superintendent and manager.

Historicus (168/40).—A ordered some paint from B, which was delivered and paid for. B allowed a deduction of 7*s.* 6*d.* from the agreed price for empty tins, which he promised to call for. When B called for the tins A was out, and B arranged to call again, but failed to do so. Shortly afterwards A received an application for the 7*s.* 6*d.*, with an intimation that B was bankrupt. A thereupon sent off the empty tins to B by railway, and notified B that he had done so. The railway company have not collected their charges for carriage, and A has not heard whether the tins were delivered. This occurred some months ago, and A has just received an application from the Official Receiver for 7*s.* 6*d.*, with a threat of legal proceedings. Has A a good defence? [A should not have sent off the tins to B after receiving notice of his bankruptcy. We are of opinion that A is liable to pay the 7*s.* 6*d.* unless the returned tins were duly received by the Official Receiver. A must pay the carriage when called upon to do so.]

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

Parson (177/1).—Lin. Tereb. carries an extra fee of 2*d.* as an emulsion in Insurance prescriptions.

Salop (160/23).—The Estimation of Potash in Soils is carried out as part of the analysis for soluble constituents. There is not, so far as we are aware, any simple method that would give trustworthy results. The usual procedure is first to make a solution of the soluble constituents of the soil, and then in aliquot portions assay the soluble salts. The solution is made by placing 20 grams of the powdered soil in a Jena glass flask with about 70 c.c. of strong hydrochloric acid, and boiling for a short time to bring the acid to constant strength, containing about 20.2 per cent. of hydrogen chloride. The flask is then loosely stoppered, placed on a water-bath, and the contents digested for forty-eight hours. The solution is then cooled, diluted, and filtered. The washed residue is dried and weighed as the material insoluble in acids. The solution is made up to a litre, and aliquot portions taken for the various determinations. For the determination of potash and phosphoric acid, 50 c.c. of the solution is taken and evaporated to dryness, about 0.5 gram of calcium carbonate being added during evaporation if the soil is poor in calcium. The contents of the dish are then ignited over a flame at a black or very dull red heat, the material being constantly stirred during the process. After cooling a few c.c. of water is added, the mass worked up with a flattened glass rod, and the contents boiled for half an hour. The solution is then filtered off, the residue washed, and the solution taken for the determination of the potash by precipitation with platinic chloride. The residue is washed back on to the dish, 50 c.c. of water and 10 c.c. of strong sulphuric acid added, and the whole boiled for half an hour. The solution is filtered and used for the determination of phosphoric acid by precipitation with ammonium molybdate. The calcium, magnesium, iron, manganese, and sulphates may also be determined in the hydrochloric-acid extract.

Black (159/39).—The "Black Reviver" for cloth is hæmatoxylin. It is dissolved in water and sponged on the faded black cloth.

Sanabria (Buenos Aires) (154/28).—(1) Syrupus Hypophosphitum Compositus.—You will find a formula in metric measure in *The Chemist and Druggist Diary* for 1914, p. 221. (2) Syrupus Hypophosphitum cum Ferro.—Randall's formula, which was given in the "American Journal of Pharmacy" some years ago, is as follows:

Calcium hypophosphite	55.4 grams
Sodium bicarbonate	9.5 grams
Potassium bicarbonate	11.5 grams
Ferric citrate	8.5 grams
Sugar, powdered	405 grams
Water sufficient to make ...	1,000 c.c.

Dissolve the calcium hypophosphite (previously reduced to fine powder) in 350 c.c. of water by the aid of heat, and add to the solution the sodium bicarbonate, continuing the heat until action has entirely ceased. After removing the solution from the heat add the potassium bicarbonate in small portions, waiting after each addition until effervescence has ceased before adding more. When action has entirely ceased filter the liquid through paper, and when the liquid ceases to drop add enough water through the filter to make the filtrate weigh 585 grams. In 120 grams of this liquid dissolve the ferric citrate by the aid of heat, and add the solution to the remainder of the liquid. In this solution dissolve the sugar, and filter through paper, adding through the filter enough water to make the completed syrup measure 1,000 c.c. (3) We are inquiring regarding the book on salesmanship. (4) The dose of the elixirs, the formulæ for which are given in the *C. & D.*, March 11, 1911, p. 116, is from ½ to 1 drachm (2 to 4 c.c.).

D. P. (164/8).—Tonic for Hounds.—We think you are quite correct in your surmise as to the composition of this mixture—Easton's syrup and tincture of dried orange-peel. The colour comes through the action of the iron on the hesperidin of the peel.

J. & H. A. A. (160/47).—Concentrated Metol-Quinol Developer:

Metol	24 gr.
Quinol	96 gr.
Warm water	4 oz.

Dissolve and add:

Sodium sulphite	1½ oz.

This forms a pasty mass, to which is added:

Caustic soda	64 gr.

After shaking for a minute a clear concentrated solution is obtained. For use, dilute ʒj. with ʒvij. of water for plates, or double the amount of water for paper. In the case of plates the image appears in from five to eight seconds, and development is usually complete in from one and a-half to two minutes. For bromide-paper a few drops of solution of potassium bromide should be added to the diluted developer.

R. S. B. (163/59).—We cannot say without experiment what is the best colour to employ for obtaining a ruby tint to a nail-varnish made with a basis of ether and amyl acetate, but probably one or other of the aniline-red dyes will be found suitable.

W. J. (162/17).—Cleaning Piano-keys.—See *C. & D.*, March 21, p. 68. We are much obliged for the cutting you enclose.

Canadian (165/11).—Manufacture of Cider.—The process for this was given in the *C. & D.*, August 23, 1913, p. 64.

F. J. H. W. (168/29).—Phosphor-paste for Destroying Rats.—There are two good formulæ for this in "Pharmaceutical Formulas." The following is a variation on these:

Phosphorus	1½ oz.
Warm water	2 oz.
Beef dripping	3 oz.
Biscuit powder	9 oz.
Meat extract	1 dr.

Gently warm the phosphorus in the water until melted, then pour on to the beef dripping and mix with the other ingredients, adding a further quantity of water if required, so as to form a paste.

T. G. C. (Rome) (6/31).—Blackberry Cordial or Blackberry Brandy, as it is popularly known in the United States, is made as follows:

Cinnamon	20 grams
Cloves	5 grams
Nutmeg	5 grams
Purified talc	8 grams
Blackberry-juice	375 c.c.
Syrup	375 c.c.
Diluted alcohol to	1.000 c.c.

Percolate the spices (in No. 40 powder) with the diluted alcohol to make 250 c.c. of tincture, add to this the fresh juice and talc, shake occasionally during twenty-four hours, and filter. Wash the filter with diluted alcohol to 625 c.c. of filtrate, which mix with the syrup.

W. G. (163/3).—Sulphur monochloride in carbon bisulphide is used in the "cold cure" process of vulcanising rubber. See *C. & D.*, August 9, 1913, p. 64.

Varnish (166/26).—Dull Straw-hat Varnish.—The addition of powdered naphthalene and boric acid is made to spirit-varnish to make it dry dull. We have several times given formulæ for this class of varnish, the last time in the *C. & D.*, August 23, 1913, p. 64.

Argus (8/32).—We do not consider it to be necessary or advisable for you to change your pill.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," April 15, 1864.

Hardening Dentists' Models.

The following note has been received from Dr. Hayes, M.D., in answer to "P. D.": "Dentists' models are *not* rendered hard with *varnish*. The following plan will produce a model as hard as stone. Mix your plaster as quickly and stiff as possible, shake it well down into the mould, let it stand at least six hours before taking it off, which operation must be performed by dry heat (on no account by hot water). Melt together in a pipkin 8 oz. of wax (white or yellow), and one ounce of rosin. When it boils insert a brad-awl in reverse, and hold the model in it for a minute or two."

GUARANTEED (LIKE "CONDY'S FLUID") NOT TO CONTAIN PERMANGANATE OF POTASH (poison).

CONDY & MITCHELL, Ltd., will take Legal Proceedings against anyone supplying Permanganate of Potash Crystals as and for "Condy's Crystals."

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INDICATIONS—
Muscular and Articular Rheumatism, Polyarthritis, Neuritis, Sciatica, Gout, Lumbago, Influenza and all Feverish Conditions, Colds, Catarrhs, Headaches, Neuralgia.

PROMPT AND DEFINITE IN ACTION. ***NO UNPLEASANT BY-EFFECTS.***

HYDROPYRIN and KALMOPYRIN are powerful antipyretics, analgesics, anti-rheumatics, and anti-neuralgics. Both occur as white, non-hygroscopic, stable, and practically tasteless powders. Both are readily and freely soluble in water, and are therefore adapted to many forms of dispensing, and to all manufacturing processes.

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Price **11s.** per lb., packed, for dispensing only, in 10, 22, 40, and 90 oz. Bottles.

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B & S Brand **B & S Brand**

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SULPHATE OF QUININE AND ALL CINCHONA PREPARATIONS.

Acetanilid, Atropine, Caffeine, Chloral-Hydrate, Codeine, Coumarine, Eserine, Hydrastine, Hydroquinone, Lactophenine, Phenacetin, Pilocarpine, Pyrogallic Acid, Resorcine, Santonine, Terpin-Hydrate, Veratrine, etc.

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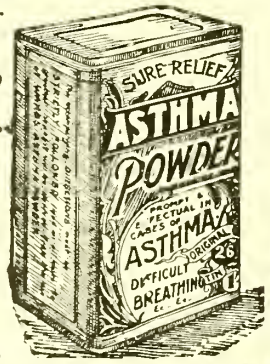

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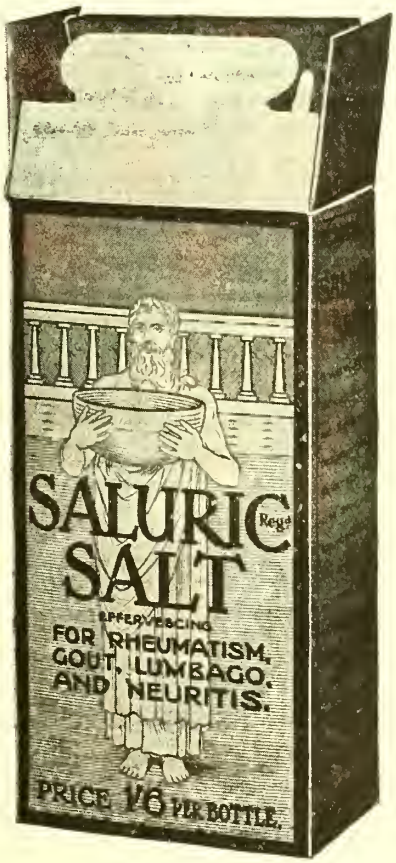

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,, Diethylbarbituric, 16 oz. @ 16/- lb.; 1 oz. @ 1/4 oz.
,, Tart., cryst. or pulv., B.P., 1885, 1 cwt. @ 1/0¾ lb.; 7 lbs. @ 1/1¼ lb.; parv. ½d. lb. extra.
Adeps Benz., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.
Ammon. Brom., P.B., 1 cwt. @ 2/1½ lb.; 7 lbs. @ 2/3½ lb.

Bals. Copaibæ, pure, 44 lbs. @ 2/2 lb.; 9 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.
,, Peruv., P.B., 7 lbs. @ 7/6 lb.; 1 lb. @ 8/- lb.
,, Sulphur, 7 lbs. @ 8d. lb. [lb.
,, Tolut. B.P., 50 lbs. @ 2/8 lb.; 1 lb. @ 3/9
Benzo-Naphthol, 7 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
Bismuth, P.B., Carb., 28 lbs. @ 8/8 lb.; 7 lbs. @ 8/10 lb.; 3 lbs. @ 9/1 lb.; 1 lb. @ 9/3 lb.; subnit. 1/- lb. less.
Boracic Mixture, 1 cwt. @ 43/6 cwt.
Borax, 1 cwt. @ 19/6; powder 1/- extra.
Butyl Chloral Hydras., P.B., 1 lb. @ 8/10 lb.

Camphor, English Flowers, "not artificial," 5 lbs. @ 2/- lb.; ¼ or ½ oz. 7 lbs. @ 2/- lb.
Cetaceum, No. 1, fine white, 64 lbs. @ 11½d. lb.; 7 lbs. @ 1/1 lb.; powder, 7 lbs. @ 1/6 lb.

*Inf. Gentianæ Co., 1 to 7, 6 lbs. @ 1/1 lb.
* ,, Quassiæ Conc., 1 to 7, 6 lbs. @ 9d. lb.
* ,, Rhei Conc., 1 to 7, 6 lbs. @ 1/6 lb.
* ,, Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* ,, Senegæ Conc., 1 to 7, 6 lbs. @ 2/4 lb.
* ,, Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.
Iodoform Pulv. B.P., 7 lbs. @ 16/6 lb.; 3 lbs. @ 16/10 lb.; 1 lb. @ 17/1 lb.
Iodum resub. B.P., 7 lbs. @ 14/4 lb.; 1 lb. @ 14/10 lb.

*Lin. Aconit. Meth., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.
* ,, Bellad. Meth., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb. [1/- lb.
,, Camph. P.B., 40 lbs. @ 11d. lb.; 9 lbs. @
,, Sapo Meth., 9 lbs. @ 7d. lb.
,, Tereb. Acet., B.P., 5 lbs. @ 1/- lb.
Linseed c. Oil., Crushed, 3 cwt. @ 17/6 cwt.; 1 cwt. @ 18/6 cwt.

Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 8/1 oz.; 16 oz. @ 8/3 oz., 8 oz. @ 8/6 oz.; 1 oz. @ 9/6 oz.; Pur. Præcip. Bimeconate or Tart. 1 oz. @ 11/6 oz.
Myrrh, Gum, English Ground, 28 lbs. @ 11d. lb.; 7 lbs. @ 1/1 lb.

Ol. Coco. Nucis, finest White, 80 lbs. @ 61/- cwt.; 40 lbs. @ 63/6 cwt.
Ol. Eucalypt., B.P., 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/6½ lb.; 9 lbs. @ 1/7½ lb.
Ol. Geranii Gall. Opt., 1 lb. @ 28/- lb.; 8 1-oz. bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.
Ol. Juniperi Bacc., B.P., 4½ lbs. @ 3/8 lb.; 1 lb. @ 4/1 lb.; Ligne Exot., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb.; 9 lbs. @ 1/5 lb.
Ol. Lavand. ab Flor., 5 lbs. @ 13/- lb.; 1 lb. @ 13/6 lb.

*Syr. Hypophosph. Co. B.P.C., 7 lbs. @ 9½d. lb.
* ,, Pruni Virg. B.P., 8 lbs. @ 7½d. lb.
* ,, Rhamni, 7 lbs. @ 10½d. lb.
* ,, Rhei, P.B., 7 lbs. @ 8d. lb.
* ,, Scillæ, P.B., 7 lbs. @ 5d. lb.
* ,, Sennæ, P.B., 7 lbs. @ 8½d. lb.
* ,, Tolut., P.B., 7 lbs. @ 8½d. lb.

Tinct. Aurantii Recens, B.P., 5 lbs. @ 3/6 lb.; bond, 8½d. Aquos. 10d. lb.
*Tinct. Belladon., B.P., 5 lbs. @ 2/11 lb.; bond, 6½d. Aquos, 1/- lb.
*Tinct. Benzoini Comp., P.B., 5 lbs. @ 3/6 lb.; bond, 9d.
*Tinct. Camph. Comp. P.B., 5 lbs. @ 2/5 lb.; bond, 6¾d. Aquos, 1/1 lb.
*Tinct. Cantharidis, P.B., 5 lbs. @ 3/9 lb.; bond, 6d. lb.
*Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb.; bond, 6d. lb. Aquos, 10d. lb.
*Tinct. Card. Comp., P.B., 5 lbs. @ 2/3 lb.; bond, 7½d. lb. Aquos, 1/- lb.
*Tinct. Catechu, P.B., 5 lbs. @ 2/3 lb.; bond, 7½d. lb. Aquos, 1/- lb.
*Tinct. Chlorof. c. Morph., B.P. 1885, 5 lbs. @ 2/- lb.; bond, 1/6½ lb.
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*Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond, 6½d. lb. Aquos, 1/- lb.
*Tinct. Gelsem. P.B., 5 lbs. @ 2/10 lb.; bond, 6½d. lb. Aquos, 1/3 lb.
*Tinct. Gentianæ Comp., B.P., 5 lbs. @ 1/11½ lb.; bond, 7½d. lb. Aquos, 1/- lb.
*Tinct. Hyoscyami, B.P., 5 lbs. @ 2/5 lb.; bond, 7½d. lb. Aquos, 1/5 lb.
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Ferri Carb., 1 cwt. @ 21/- cwt.; 28 lbs. @ 3d. lb.
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* ,, Buchu Conc., 1 to 7, 6 lbs. @ 2/2 lb.
* ,, Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
* ,, Caryoph. Conc., 1 to 7, 6 lbs. @ 1/- lb.
* ,, Cascarilla Conc., 1 to 7, 6 lbs. @ 1/4 lb.
* ,, Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.

Ol. Menth. Pip. English, 5 lbs. @ 32/- lb.; 1 lb. @ 33/6 lb.; American, 20 lbs. @ 17/6 lb.; 4½ lbs. @ 18/3 lb.; 1 lb. @ 18/9 lb.
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Ol. Nucis Pallid., 45 galls. @ 3/8 gall.; 2 gall. tins @ 4/6 per gall.
Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. Barrels @ 5/- gall.; 2-gall. tins @ 5/9 gall.; fine cream, 9 lb. tins @ 7/2 each.
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Phenazone, P.B., 7 lbs. @ 6/11 lb.; 1 lb. @ 7/6
Phenolphthalein, 7 lbs. @ 5/6 lb.; 1 lb. @ 6/- lb.
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Rad. Jalap, English Ground, 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7 lb.
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*Tinct. Opii. B.P., 5 lbs. @ 3/2 lb.; bond, 2/4 lb.
*Tinct. Opii Aquos., 5 lbs. @ 2/4 lb.
*Tinct. Quininæ Amm., B.P., 5 lbs. @ 2/7½ lb.; bond, 1/0½ lb.
*Tinct. Rhei Co., B.P., 5 lbs. @ 2/6 lb.; bond, 10d. lb. Aquos, 1/- lb.
*Tinct. Scillæ, B.P., 5 lbs. @ 2/6 lb.; bond, 7½d. Aquos, 10d. lb.
*Tinct. Senegæ, P.B., 5 lbs. @ 3/3 lb.; bond, 1/5½ lb. Aquos, 1/5½ lb.
*Tinct. Strophanth., P.B., 5 lbs. @ 3/5 lb.; bond, 8½d. lb.
*Tinct. Valerianæ, 5 lbs. @ 2/8 lb.; bond, 6d. lb. Aquos, 1/- lb.
*Tinct. Valerianæ Ammon., P.B., 5 lbs. @ 3/1 lb.; bond, 8½d. lb. Aquos, 1/2 lb.
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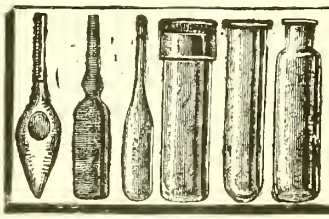

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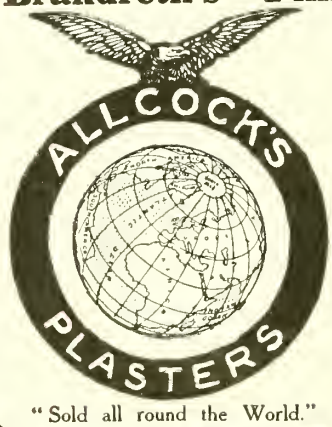

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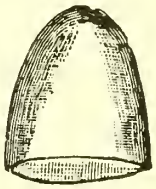

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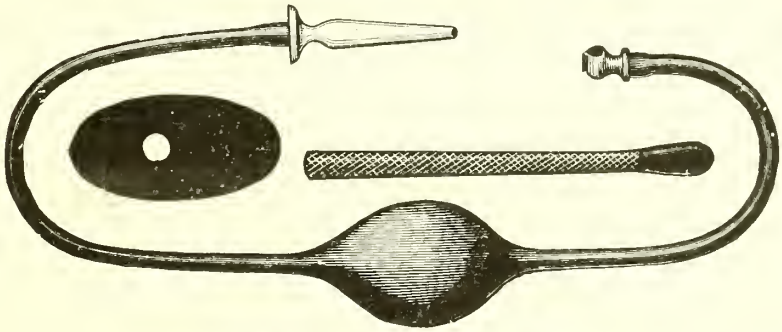

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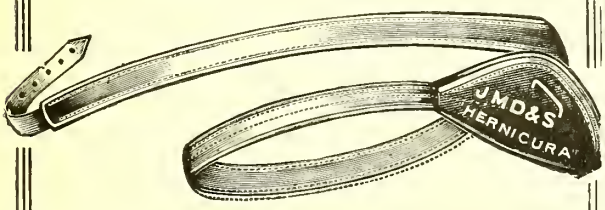

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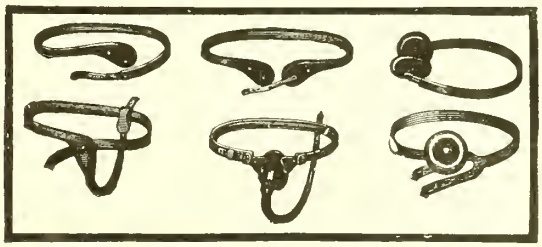

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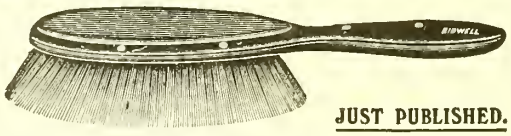

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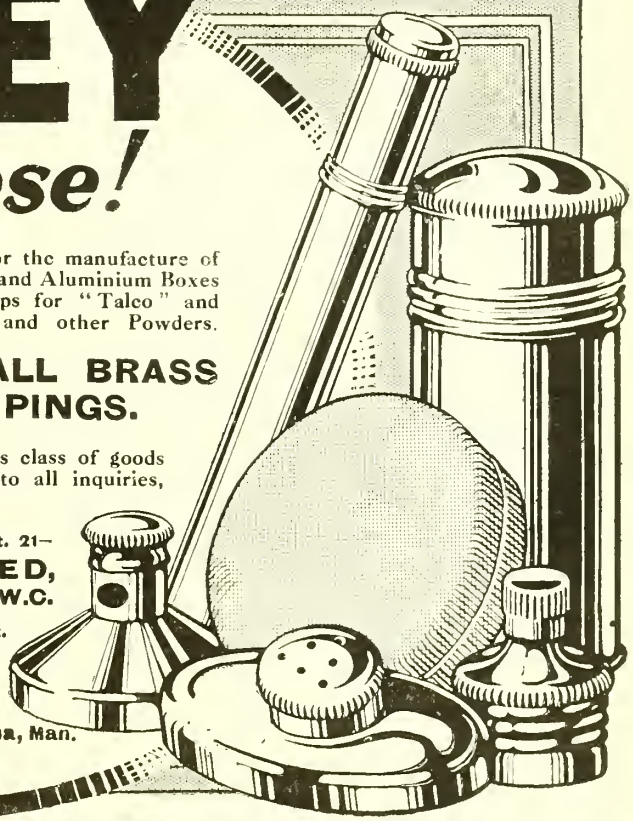

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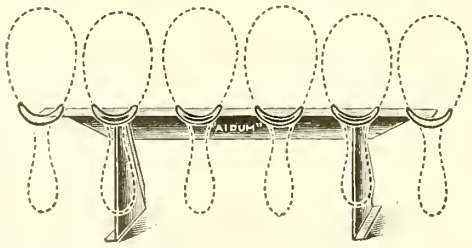

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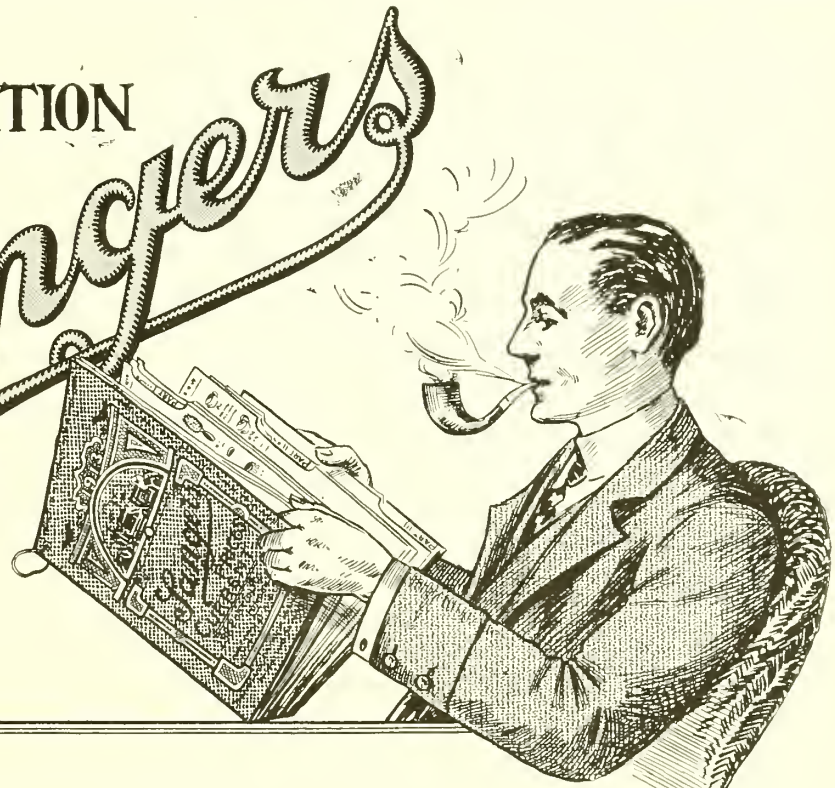

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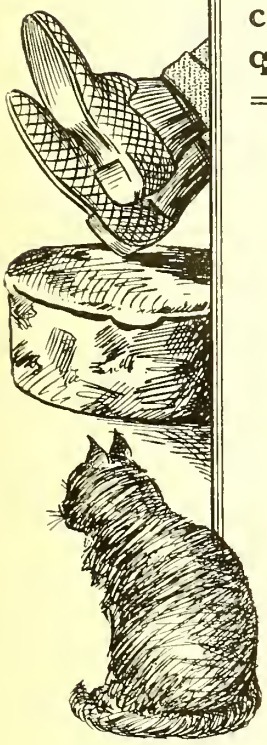

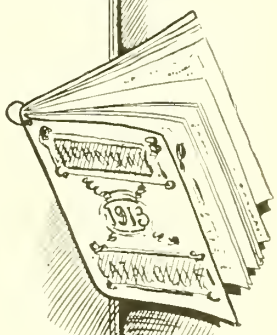

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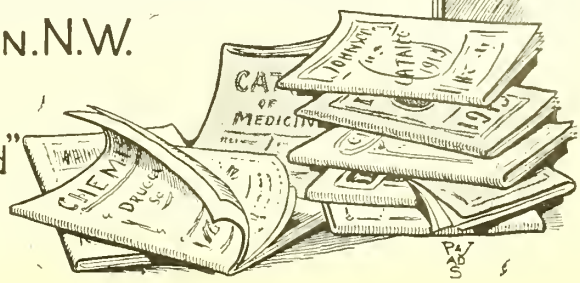

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March 1914	**28**

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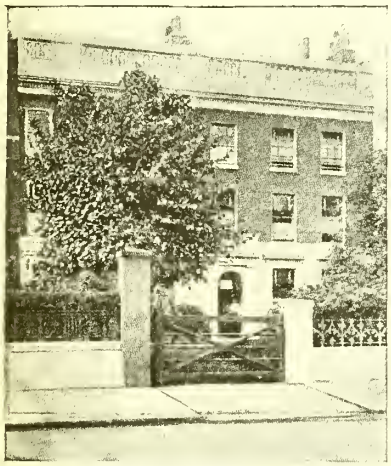

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Bennett, A. T.	Reading.	**Edsforth, J. H.**	Clayton-le-Moors	**McLachlan, D. G. R.**	Wimbledon.	**Ward, H. B.**	Sheffield.
Bolton, R. W.	Kibworth.	**Ford, E.**	Folkestone.	**Moore, W. R.**	Sydenham.	**Williams, T. M.**	Barry Port.
Collishaw, C. W.	Wandsworth.	**Hardy, M.**	London.	**Pedroza, J. M.**	London.	**Wilson, F. M.**	London.
Croft, L. K.	Scarborough.	**Hopkins, S. N.**	Leighton Buzzard.	**Smith, C.**	London.	**Zimmerman, W. F.**	Southchurch.
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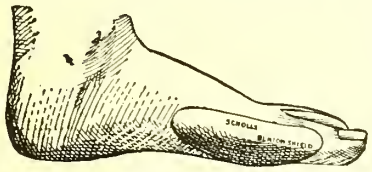

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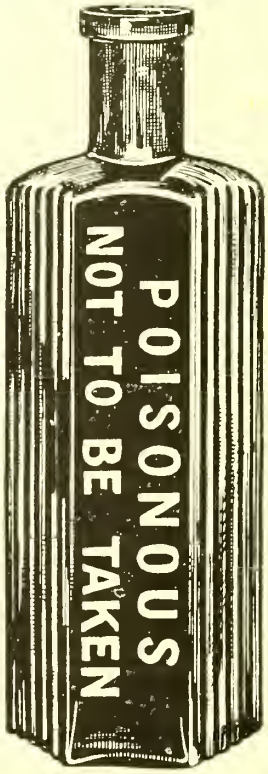

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OFFICE: 42 CANNON STREET, E.C. SATURDAY, APRIL 4, 1914

Telephone Number: Bank 852 (two lines). Telegraphic Address: "Chemicus, Cannon London" (charged as two words)

A COPY OF THIS SUPPLEMENT IS INSERTED IN EVERY NUMBER ISSUED OF "THE CHEMIST & DRUGGIST."

EASTER HOLIDAYS

ADVERTISEMENTS intended for next week's Supplement (April 11) must be in the Publisher's hands not later than

2 p.m. on WEDNESDAY, APRIL 8.

All announcements received after the Supplement has gone to Press will be inserted in the following week's issue (April 18).

The offices of "The Chemist and Druggist" will be closed from

THURSDAY EVENING, APRIL 9, until TUESDAY MORNING, APRIL 14,

therefore all stamped addressed wrappers for the Supplement of April 11 should reach 42 Cannon Street, E.C., by Wednesday morning, April 8.

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6.—CITY PHARMACY.—Old-established Business; returns under management over £1,000 per annum; *net profit about* £250; price £500.

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11.—MANCHESTER (within easy distance of).—Family Retail, Dispensing, and Photographic; excellent opening for Dentistry; returns average £20 per week; large shop, double fronted; good stock; rent £30; no immediate opposition; terms, £70 and valuation of stock and fixtures, or £300 down and £200 by instalments.

12.—WEST OF ENGLAND (Health Resort).—Good-class Retail and Dispensing Business; returns about £1,200 per annum; *net profit* £370; excellent well-built house; rent £60, sublet £50; full investigation courted.

13.—SOUTH COAST.—Retail, Dispensing, and Photographic trade; returns exceed £2,000 per annum; well-fitted shop and good stock; the business is well suited to one requiring residence in a mild climate; terms, valuation of stock and fixtures and small sum for goodwill.

14.—GLOUCESTERSHIRE (good-class town). — Middle-class Retail, with fair Dispensing connection; returns between £850 and £900, with *net profit* £230; rent £35; practically unopposed; price £450.

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Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

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Established over Half a Century.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following businesses for Disposal. (No charge to Purchasers.)

1.—WEST OF ENGLAND (Coast).—Good-class Retail and Dispensing Business; returns about £1,200, increasing; net profit £300 after paying assistant, etc.; excellent position; fine shop, fully stocked; good residence attached; price £1,050.

2.—NORFOLK.—Old-established Retail and Agricultural Business, in good market town; same hands many years; neglected; returns over £800; net profit about £250; fine premises; can easily do £1,200; valuation only required, no goodwill.

3.—SOUTH COAST.—High-class Dispensing and Light Retail; same hands many years, retiring; returns £1,450; net profit £355 clear; splendid position; scope for increase; price £875.

4.—KENT COAST.—Light Family Retail and Dispensing Business, in central position; not a season trade; returns £750; net profit over £200; large house; price £500; recommended.

5.—SURREY.—Unopposed Light Retail and Dispensing Business; 3,000 private Scripe yearly; returns £620; net profit £200; modern house, attractive shop; price £430.

6.—HERTS (Market Town). — Light General Retail, with Mineral-water Plant; returns £600; net profit £150; nice house and shop, main-road position; price £250, half valuation.

7.—LONDON, S.E. (Good Residential Suburb).—Light Family Retail and Dispensing; no near opposition; returns nearly £1,000; net profit £361; fine corner shop, well stocked; excellent house; price £900, or offer.

8.—LONDON (Eastern Suburb).—Good middle- and working-class trade; returns £651; net profit £220; no near opposition; large house; low rent; same hands many years; price only £260.

9.—SOUTH WALES (Health Resort).—Light Retail, Dispensing, and Prescribing Business, in very best position; returns £2,400; net profit £650 clear; excellent house and shop; modern fitted, heavily stocked; price £1,600, £400 can remain.

10.—GLOUCS.—Light Retail and Dispensing Business, in most desirable town; returns under manager £900; net profit £250; plenty of scope; low rent; long lease; price £450; worth attention.

11.—DEVON.—Light Family Retail and Dispensing; charming locality; easily worked; returns £700; net profit £200; attractive Pharmacy, well stocked; good house; price £400 or valuation.

12.—YORKS (SEAPORT TOWN).—Very profitable Light Ready-money Retail; main-road position; returns last year £1,100; net profit £470 clear; books properly kept; low rent; large shop, heavily stocked; owner retiring; price £800.

13.—BEDFORDSHIRE.—Light Cash Retail, no N.H.I. work; returns about £750; net profit £200; books audited; good house and shop; low rent; price £335, or valuation.

14.—HAMPSHIRE.—Good-class unopposed Village Business; returns £360; net profit £120; scope for increase; low rent; on lease; price £180, or near offer.

15.—LONDON SUBURB, N.W.—Good-class Dispensing and Light Retail Business; very profitable; no side-lines; returns £750; fine position; large house and Pharmacy, fully stocked; price £600.

16.—LONDON S.E. (8 miles out).—Sound Retail Business, all ready money; returns over £800, increasing; net profit £230; good house, smart Pharmacy; no near opposition; price £400.

BUSINESSES WANTED.

Messrs. BERDOE & FISH, having recently been successful in disposing of a large number of Businesses, are in immediate want of sound concerns, returning from £600 to £3,000. Cash buyers waiting. Strictest confidence guaranteed; private register kept. Correspondence cordially invited.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

EASTERN County.—Unopposed good-class Country Retail, Dispensing and Prescribing Business; returns £1,550; clear net profit £430; excellent house, with large garden; well-fitted shop, heavily stocked; cash price £875. Apply, Berdoe & Fish, Valuers, 35 Jewry Street, Fenchurch Street, City.

GLOUCESTERSHIRE (Progressive Little Town, Charming Country).—Nice-class Retail, Dispensing, and Prescribing; returns £800, capable increase; net rental £28; rates £8; commodious premises, best position; perfect sanitary arrangements; good lawn, garden, warehouse, coach-house; new mahogany double front and fittings; modern stock; fullest investigation welcomed. Immediate purchaser with £350 enclose reference, state particulars specially required, "Highly Profitable" (31/9), Office of this Paper.

IRELAND.—Country town in South; turnover about £400 first year; good opening for Cattle business; very well fitted up; £200. Apply, 34/23, Office of this Paper.

KENT (50 miles from London).—£300 cash down and £200 by easy instalments secures a good profitable Retail Business, returning over £900; clear net profit £300; smart up-to-date Pharmacy, fine position; good residence; owner retiring; price £500, bare valuation. Address, "Retiring" (35/35), Office of this Paper.

LANCASHIRE.—Immediate Disposal, old-established Retail, Prescribing, and Dispensing, including N.H.I., with Wine Licence, centre of town; stock and fixtures £250. Walter S. Lewis & Sons, 3 King Street, Rochdale.

LANCASHIRE.—Old-established Chemist's Business, 30 years, for Sale, in populous and thriving place; turnover £14 per week; can be made do £20; on Panel, at present averaging £7 10s. a month; for immediate sale take £275 cash; a rare bargain for qualified man; no qualified opposition for over a mile. Replies to 32/17, Office of this Paper.

LEEDS (near).—Smart corner shop; best position; unopposed; been under qualified management since October; taking £8, increasing weekly; would quickly increase under qualified; lock-up shop with cellar; rent £12 clear; price £100; part can remain; well fitted and stocked; owner having taken larger concern must sell at once. 32/20, Office of this Paper.

LINCOLNSHIRE.—Unopposed Business for Sale; taking £10 per week; offers grand opportunity to energetic man. Apply, "Genuine" (33/36), Office of this Paper.

LONDON, S.W.—Compact little shop, under ladies' management doing £4, could be increased to £8 or £9 easily; two rooms and scullery; inclusive rent 14s.; fair stock; £35 for cash; special reasons for disposal. 100/100, Office of this Paper.

LONDON, West (few miles out).—Death vacancy; good middle-class Retail, Dispensing, and Prescribing Business; returns last year £1,360; net profit between £400 and £500; rent only £45, including house; shop is fully stocked; price £850, or offer. Apply, "Exors." (35/350), Office of this Paper.

MORECAMBE.—Drug and General Stores for Sale; splendid opening for qualified man; good house in busy thoroughfare; reasonable rent; turnover nearly £800; present hands 16 years, retiring; price £600. J. Smith, Queen's Square, Morecambe.

NEWPORT, Mon. (population 84,000).—To Chemists.—Death vacancy; old-established and successful Business of the late Mr. Eleazar Davis, Chemist, Commercial Street, Newport, is offered for Sale. Apply to Mr. Frank Lewis, Solicitor, Newport, Mon.

NORFOLK.—Old-established Agricultural and Retail Business; same hands many years; doing over £800; can do £1,000; valuation only. 32/30, Office of this Paper.

SHROPSHIRE.—Mixed Country Business; returns over £500; excellent chance for energetic qualified man; established 60 years; rent £25; lease can be arranged or option of purchase; satisfactory reasons for disposal; other particulars given. Apply, "Pills" (31/12), Office of this Paper.

SOUTH WALES.—Old-established Business for Sale, doing £800; large manufacturing town; all Cash; long lease; Insurance pays rent; £500 (half could remain). Apply, 29/33, Office of this Paper.

SUSSEX, South Coast.—Genuine old-established Business for Sale in a rising seaside resort; returns £1,150; rent £80; good stock; splendid house and garden, all in good repair; price asked £800 cash; worth inspection, as the owner is retiring; no agents. "Fascination" (30/5), Office of this Paper.

YORKSHIRE (populous town).—Dispensing Business, with good Medical connection; proprietor wishes to retire; been in present hands 30 years; returns £800; good profits. Apply, "Carboy" (32/9), Office of this Paper.

FIRST cash offer over £400 will be accepted for a genuine Business in busy Lancashire town near Manchester; returns over £900 at good prices; almost unopposed; on two Insurance Panels; owner must sell immediately; good reasons and all information to bona-fide inquirers. Apply, "Calor" (33/18), Office of this Paper.

FOR immediate Disposal, "The Market Pharmacy," Cliffe; nearest Chemist 5 miles; National Health Insurance Prescriptions for the district; shop, five rooms, and garden; rent £24; rates low; merely nominal price for present stock and fixtures; 30 miles from London (South Eastern Railway). W. Frayling, Cliffe, Kent.

OLD-ESTABLISHED Business, in busy market town, easy distance from London, thoroughly well stocked, with Mineral-water Factory in perfect working order; very profitable and capable of great extension by investment of small additional capital; price £250, or near offer, considerably less than valuation of stock, fittings, and machinery; satisfactory reasons for disposal. 36/2, Office of this Paper.

TO be Sold, a small Village Business, unopposed, in mid-South County; small rent, low rates; offered on exceptional terms for a cash transaction; full investigation invited. Apply, "Pharmacist" (34/25), Office of this Paper.

VILLAGE Business for Disposal: good-class Retail and Dispensing, with Photography; Pharmacy well fitted and stocked; no opposition; large house; low rent, on lease; chance of lifetime for up-to-date man; good scope; valuation stock and fixtures only required; thoroughly genuine offer. Cash purchasers apply, "Statim" (31/26), Office of this Paper.

£150, plus about £35 for accounts receivable, purchases small old-established good-class Business; returns £350; on borders Hampstead, N.W.; vendor retiring; price asked, about three-quarters value stock, etc.; good opening for present-day trade; no correspondence; personal interview preferred; address given to inquirers. "Cornwall" (34/13), Office of this Paper.

BUSINESSES WANTED.

GOOD-CLASS Retail and Dispensing Business; turnover £1,000 to £1,500; a really good Country business would be considered; please give fullest details in first letter, which will be treated as strictly confidential and must be open to closest investigation; very lowest terms for cash. Apply, "Dispenser" (30/36), Office of this Paper.

GOOD-CLASS Business wanted, producing net profit not less than £250; central position in good neighbourhood essential; London or provinces; all particulars treated in confidence; banker's reference given if required. Address, "Major" (32/24), Office of this Paper.

WANTED, small genuine Business; one easily worked; returns about £600; within about two hours of London; moderate rent. "Nux" (36/7), Office of this Paper.

TO LET.

EASTER Holidays.—A visit should be paid to the Undercliff, the most rising part of Felixstowe; opening for Chemist and Photo Stores; Shop with House over, well arranged for furnished letting; rent £45. Apply, Tuddenham, Builder, Felixstowe.

HOUSE and Shop, main road, Hoxton; suitable for Chemist or Dispensary. Estate Office, 199 New North Road, N.

SUITABLE for Chemist.—To Let, 125 Upwell Street, Grimesthorpe, Sheffield, corner Shop and House; rent £30; immediate possession; excellent opportunity; large population; growing neighbourhood; Chemist needed. Apply, Mr. B. Richmond, 1 St. James' Street Sheffield

TO Chemists.—Capital Shop and House at a good-class residential seaside resort, 70 miles out; A1 position; splendid opening; good prices; very little opposition; rent £60, or freehold for sale. Apply, "D. F.," c/o Blairs, 11 King Street, Cheapside, E.C.

SALES BY AUCTION.

IN BANKRUPTCY.
BY ORDER OF THE TRUSTEE, F. S. SALAMAN, ESQ., C.A.
RE H. W. DAVIS, 43 GRAFTON STREET, W.

Valuable and high-class Stock of SURGICAL INSTRUMENTS, comprising Amputating Instruments in cases, Syringes of every description, Knives, Forceps, Scissors, Uterine and Midwifery Forceps, Bladder and Lithotomy Instruments, Throat, Post-Nasal, and Tracheotomy Instruments, Stethoscopes and Ophthalmoscopes, Eye and Ear Instruments of a large variety, large quantity of best English Pocket Dressing Instruments, Post-mortem Instruments, valuable Electrical Appliances, Batteries and Cells of every description, Glass Ware, expensive X-ray Apparatus by Apps Newton, Winhurst Frictional Machine, Bandages, Crutches, Splints, etc.; also 2 Lathes, Lathe Tools, handsome modern Shop and Showroom Fittings, Plate-glass Showcases, Counters, Office Furniture, Weighing Machines, etc., which will be SOLD by AUCTION by

MR. FRANK G. BOWEN at his Sale Rooms, 62a Aldersgate Street, E.C., on THURSDAY, April 16, at one o'clock. On view day prior.

Catalogues may be had of Messrs. Elles, Salaman, Coates & Co., Chartered Accountants, 1/2 Bucklersbury, E.C., and of the Auctioneer.

FOR SALE.

CASH Register; slightly used; issues receipt, daily strip; opportunity to acquire sound machine cheap. Write, "M. T.," 127 Bradgate Road, Catford, S.E.

GREAT BRITAIN rights for Sale on a good paying Medical Proprietary Preparation; nothing like it in the British Isles; a new idea; a big seller in America; rights include formula, trade-mark (registered in London), and sole right to make and market the article in Great Britain; excellent opportunity for right party. For full particulars address, President, 1211 Citizens Building, Cleveland, Ohio, U.S.A.

SHOP Fittings.—The entire Fittings of a branch shop for Disposal at a low reserve; Mahogany Wall Fittings, Front Counter, Dispensing Counter and Screen, Bent-glass Cases, Shop-rounds, Ointment-jars, etc. Roberts & Co., Wallington, Surrey.

AGENCIES.

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AUSTRALIA.—A young, energetic man is shortly leaving England for Australia, and is anxious to hear of high-class Agencies. Write in first place to "R." (35/30), Office of this Paper.

INDIA, Burmah, and Straits. — Experienced Representative shortly leaving for an extended tour, with knowledge of Druggists' and Sundries' trade, and with established connections, requires an Agency for a Wholesale and Export Druggist and Patent Medicine. 173/19, Office of this Paper.

AGENCIES or Correspondence undertaken by advertiser, who has Central London office and is well placed in all matters relating to Oils, Chemicals, General Produce, and Machinery. Address, "Tenans" (7/33), Office of this Paper.

AGENTS and Travellers wanted on a most substantial commission basis; only £10 a week men need apply; well-advertised new line; local Agents required. Write now to "Fleurettes," 5 Lloyd's Avenue, London, E.C.

DRYSDALES, LTD., Wholesale and Manufacturing Chemists, Brisbane, Queensland, seek special Quotations, with samples, for Druggists' Sundries, especially for such articles as Tooth-brushes, Corks, Dispensing-bottles, Cotton-wool Lint and Bandages; Drysdales are open to consider fair offers for their appointment as sole Queensland or Australian Agents for any real live lines handled by Chemists. All communications should be addressed to the Managing Director, Petrie's Bight, Brisbane, Queensland.

PARTNERSHIPS.

PARTNERSHIP.—An opportunity occurs for a Chemist to join a firm of Manufacturing Chemists having facilities and room for extending their present business. Reply, by letter, 31/27, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have **replies** addressed to this Office, and forwarded on payment of an additional charge of **6d.**

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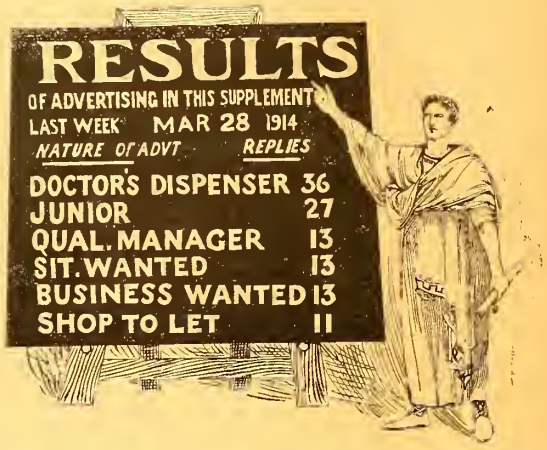

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETAIL.

BELGRAVIA.—Qualified Assistant, with experience of high-class Dispensing, age 25 to 25. Apply, with full particulars, to 36/1, Office of this Paper.

BIRMINGHAM.—Part-time, three nights weekly; unqualified; permanent. Give full particulars and state remuneration required to 34/45, Office of this Paper.

BOLTON.—Wanted, qualified man to manage Light Retail business. State full particulars to H. B. Pare & Co., 26 Howell Croft, Bolton.

BRIGHTON.—Competent, unqualified Assistant required for good-class Dispensing business, outdoors; age about 25. Apply, with full particulars, to J. Miller, 4 Victoria Road, Brighton.

CARDIFF.—Good Junior or Improver wanted; outdoors; good Counterman, Window-dresser, with knowledge of Photography; hours easy; send full particulars and salary required; an Apprentice also wanted. Harden, 219 City Road, Cardiff.

CHATER, Watford.—Wanted immediately, smart unqualified Assistant for Dispensing, Counter, and Photographic; good-class business; hours 8-8, Saturdays 10; half-day weekly; no Sunday duty; state fullest particulars in first letter as to previous experience, when disengaged, give necessary references, state height, and if possible enclose photo (to be returned). Apply as above.

CROWBOROUGH.—A thoroughly capable Junior required in good-class Dispensing business. Apply, with full particulars of experience, age, height, salary (indoors), G. H. F. Dier, Pharmacist, Crowborough.

DEVON (Seaside).—Locum (outdoors), qualified, for three or four weeks from June 6; good Dispenser, Photography. State age, salary, and give references, 30/37, Office of this Paper.

GLAMORGAN.—Doctor requires Lady Dispenser; surgery hours 9.30 to 11.30, 2 to 3, 5.30 to 7.30; shall be required to do Bookkeeping, Panel records and Light Dressings. Reply, stating qualification, age, and salary required (outdoors), 34/39, Office of this Paper.

GRANTHAM.—Qualified Assistant required, age 22 to 30, for Country business; outdoors; easy hours; no Sunday duty. Apply, with full particulars, giving age, references, and salary required, and enclose photo if possible, W. D. Cox, 36 Watergate, Grantham.

HULL.—Qualified Assistant wanted; comfortable berth; easy hours; duties light; middle-class district; permanency for suitable man. Apply, with full particuars, to 31/7, Office of this Paper.

KENSINGTON.—Junior Assistant for Dispensing business. Apply, with full particulars, to R. S. Dampney, 87 Abingdon Road, Kensington, W.

KENSINGTON, W.—Outdoor Assistant required, aged about 25, for good-class Retail and Dispensing business; must be a neat and accurate Dispenser, tactful Salesman, and used to modern Window-dressing; no late duty; Sunday duty nominal. Apply personally (or by letter, enclosing photo), W. Ive, 221 High Street, Kensington, W.

LANCASHIRE.—Qualified man capable of fitting up and opening out a new business required at once; liberal terms offered to a really smart and energetic man. State age, whether married, and when at liberty, 34/43, Office of this Paper.

LANCASHIRE.—Splendid opening for a smart unqualified Assistant who has had good Photographic and Dispensing experience; permanent and progressive berth. State age, whether married, when at liberty, and salary required, 34/41, Office of this Paper.

LIVERPOOL. — Qualified Manager wanted for working-class neighbourhood; must be a quick and accurate Dispenser; good salary and commission to reliable man. Apply, "Rhei" (34/8), Office of this Paper.

LIVERPOOL.—Capable Assistant for good-class Dispensing and quick Retail business, with Photography, situated in best suburb of Liverpool; one requiring permanency. State age, salary, and other particulars to Ashcroft, Chemist, 112 Aigburth Road, Sefton Park, Liverpool.

LLANDUDNO.—Assistant (outdoors) wanted immediately in Light Retail and Dispensing business; knowledge of Photography essential. Apply, with usual particulars, with photo, T. Esmor Hooson, Ltd., Llandudno.

LONDON.—Qualified Manager required for an up-to-date quick Cash business; must be a good Counterman and Dispenser and be capable of controlling the business without much supervision; married man preferred. State age and when at liberty, 34/42, Office of this Paper.

LONDON.—Junior Assistant required for high-class business; must be a good Counterman and Dispenser. Give full particulars as to age, experience, and salary required, 34/46, Office of this Paper.

LONDON.—Smart Assistant wanted; must be reliable Dispenser and well up in Counter work; knowledge of Photography preferred; Improver and Apprentice kept. Apply, 35/1, Office of this Paper.

LONDON.—For the second week in April, a qualified Assistant; indoors; duty 11 hours daily and every third Sunday. Apply, stating age, experience, and salary expected, 32/37, Office of this Paper.

LONDON.—After Easter, qualified Assistant; salary £2 15s. (outdoors). Apply, if possible with photo (to be returned) and full particulars, 35/39, Office of this Paper.

LONDON, N.—An experienced Assistant; also a Junior; good opportunity to learn Dispensing; two assistants kept. Apply (letter only), stating experience, names of references, when disengaged, and salary required (indoors), "Chemist," 300 Amhurst Road, Stoke Newington, N.

LONDON, N.—Wanted, as Junior or Improver, one who has recently finished apprenticeship, for good-class family, Dispensing, and Photographic business; outdoors. State salary required, age, height, experience, when disengaged, and enclose photo, Starmer, 92 High Street, North Finchley, N.

LONDON, N.—Wanted, Assistant for three hours on Thursday, Friday, and Saturday evenings for Insurance Dispensing and to assist at Counter. Pirie, 4 Grand Parade, Harringay.

LONDON, S.E.—Qualified man, elderly person not objected to. Foster's Drug Stores, Ltd., 8 Selhurst Road, South Norwood.

LONDON, S.E.—Assistant (outdoors), no Sunday duty, for Dispensing and Retail business; must be quick and reliable and good Counterman. Apply, stating age, experience, and salary required, Brooks' Drug Stores, Broadway, Deptford.

LONDON, S.W.—Required, an Assistant for the Front Counter of a West-End establishment; age about 25; must be tall and of good appearance and address. Write, stating full particulars, to "Chemist," 123, Sell's Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Required, Dispenser; Minor qualification; salary to commence 50s. per week; age about 25; hours of work 8.45 a.m. to 6.30 p.m. approximately; no Sunday duty; 14 days' annual vacation. Write, stating full particulars, to "Dispenser," 122 Sell's Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Assistant, indoors, unqualified, required for small Store business; occasional Sunday duty; half-day weekly; could arrange time for study. State age, previous experience, and salary required to "X.," 3 Soudan Road, Battersea, S.W.

LONDON, W.—Capable Junior, not under 20, unqualified, with experience in Stockkeeping. Reply, with particulars of salary required, experience, etc., to Manager, Mellin's Pharmacy, 48 Regent Street, London, W.

LONDON, W.—Outdoors; Junior for Tablet-making, Dispensing, etc. State age and salary required, "M." (180/71), Office of this Paper.

LONDON, W.—Wanted immediately, qualified man, age about 30, as Manager; indoors; salary and commission. Apply, with full particulars, to (Mrs.) E. J. Green, 69 Churchfield Road, Acton, W.

LONDON, W.—Smart qualified Assistant wanted immediately; outdoors. Apply personally, or by letter, Spink & Co., 27 Tottenham Court Road.

LONDON, W.—Wanted, a qualified Assistant, with good Dispensing experience. Apply, stating age, experience, and giving references, to Squire & Sons, Ltd., 413 Oxford Street, W.

MANCHESTER.—Elderly qualified Chemist for business in a working-class district; permanent and comfortable position. 34/47, Office of this Paper.

MANCHESTER. — Unqualified Assistant. State age, salary (outdoors) experience, and send copies of testimonials to W. H. Delve, M.P.S., 310 Stretford Road, Manchester.

NEAR Manchester. — Wanted, an Assistant; Dispensing and Window-dressing. 181/40, Office of this Paper.

OLDHAM.—Young qualified Assistant wanted; salary £3 per week and commission; must be quick and reliable and a good Salesman. State age, height, experience, references, and photo, 29/40, Office of this Paper.

OXFORD.—Junior Assistant or Improver required for good-class Dispensing business (outdoors), with good knowledge of Dispensing preferred; easy berth. Please state full particulars of experience, salary, etc., F. L. K. Loxley, Pharmaceutical Chemist, 66 St. Giles' Street, Oxford.

PLYMOUTH.— R. & F. Roper, Pharmacists, 34 Tavistock Road, are in immediate want of an Assistant with good Dispensing and General experience; in- or out-doors.

SOUTHPORT.—Senior Assistant, qualified, for high-class Dispensing and Retail. Send full particulars as to experience, age, salary enclose photo, state when at liberty, J. Righton, 515 Lord Street, Southport.

SOUTH SHIELDS-BY-THE-SEA.—Assistant wanted soon, but not necessarily immediately for middle-class Retail and Dispensing; must be quick Dispenser and able to take charge; recent references indispensable; qualified preferred, but unqualified man with good references would do; permanency. Michelson, Chemist, Fowler Street, South Shields.

WESTGATE-ON-SEA.—Junior Assistant, about 22, for first-class Dispensing and Retail business; good Dispenser and knowledge of Photography; permanency; indoors; comfortable home. Please state experience, age, height, and salary required to Dixon, Chemist, Westgate-on-Sea, Kent.

WOOLWICH.—Vacancy for Manager-Assistant in Drug Stores; must be good Extractor, able to take Impressions and Fit Teeth, also Trussfitting and the handling of Surgical Appliances and Rubber Goods; able to take charge; good references and perfect experience in Dentistry most essential; hours 9 to 9, Saturday 10.30, Thursday 1; no Sunday duty; commencing salary £2 per week; commission if satisfactory; fortnight's trial. Apply, by letter first, Drug Stores, Russell Place, Woolwich.

A CAPABLE qualified Manager wanted for Commercial Road, E.; N.H.I. and General Retail; comfortable permanency for suitable man; usual half-day from 1 p.m. and every third Sunday free; house over shop if desired. Send full particulars first letter, stating salary, when disengaged, etc., 36/15, Office of this Paper.

A COMPETENT Dispenser, qualified, used to high-class business, and with good experience; also Junior or Improver for stock, etc. Apply, stating salary expected (outdoors), with fullest particulars, to F. W. Goodess, 25 Market Street, Leicester.

A STEADY qualified elderly Assistant, permanency only, moderate salary, for London firm of English and foreign Chemists. 36/9, Office of this Paper.

AN Assistant or capable Junior for good-class Dispensing and Retail business; outdoors. Apply, with full particulars as to salary, experience, etc., to "Rhei" (32/11), Office of this Paper.

ASSISTANT, unqualified, age 24-28, for high-class business; no heavy trade; hours light; outdoors; must be smart in appearance. Salary required and usual particulars (also photo if possible) to P. J. Ashfield, Rhyl.

ASSISTANT, unqualified, £1 a week (indoors) for Light Retail and Dispensing business; good Dispenser essential. Apply, with usual particulars, enclosing photo, to "South" (34/34), Office of this Paper.

ASSISTANT, Junior; tall; good-class Dispensing and Light Retail; outdoors; a Student preferred. 156 High Street, Smethwick.

ASSISTANT, married, to live over shop; Light business, with Photographic; easy hours; qualification not essential; comfortable berth to willing and steady gentleman. Walwin, Chemist, Gloucester.

ASSISTANT, qualified, required in a high-class West-End Chemist and Druggist's. Apply, stating age, experience, and salary required, to "W.," 26 Davies Street, Berkeley Square, W.

ASSISTANT, qualified, as Senior and ultimate Manager; Store experience preferred, but not absolutely essential; reasonable hours and good salary; comfortable position. State age, height, experience, and salary required in first letter, photo if convenient, 181/38, Office of this Paper.

ASSISTANT, about 22; indoors; accustomed to good-class Dispensing and a good Salesman; usual half-holiday, and, if desired, a little extra time daily for study. State usual particulars and enclose photo if convenient to G. Dauncey, 6 Nugent Terrace, St. John's Wood.

ASSISTANT, unqualified; good Salesman, Window-dresser; good salary to suitable man. Moults, Cash Chemists, Stockport.

AT the end of April, a Junior Assistant wanted, with some knowledge of Dispensing. Apply, stating age, experience, and salary required, W. Gowen Cross & Son, Pharmaceutical Chemists, 70 Mardol Shrewsbury.

CAPABLE unqualified Assistant; outdoors; permanent preferred; good Salesman and accurate Dispenser; reasonable hours; no night, Sunday, or holiday duty; half-holiday. Full particulars of experience, with age, height, salary required, references, and photo if possible, Steedman, Chemist, Beverley.

CHEERS & HOPLEY, Chester, are in want of an Assistant having good Dispensing and General experience (unqualified).

CHEMIST and Dentist, doing all Mechanical work on premises, has vacancy for Assistant. Please state full particulars, age, experience, where obtained, ability in Pharmacy and Dentistry, if married what family, class of business and hours used to, salary required, when disengaged, references, photo, Foster, Ivydale, London Road, Portsmouth.

CHEMIST and Druggist, fully qualified, wanted as Manager. Apply, stating age, qualifications, experience, and wages, with not more than three copies of recent testimonials, to Stocksbridge Band of Hope Industrial Co-operative Society, Deepcar, near Sheffield.

COMPETENT Assistant (outdoors) for a Dispensing business; commence any time; permanency. Nowell, 97 Broadway, Leigh-on-Sea.

DISPENSER wanted for London, E.; chiefly N.H.I. Dispensing; hours 9 a.m. to 10 p.m., 1 o'clock Thursday; duty alternate Sundays 6 p.m. to 9 p.m. State salary required, with full particulars, to "Alpha" (32/31), Office of this Paper.

DRUG-STORE Manager, London, on practically profit-sharing basis; no Poisons, no Insurance Dispensing; useless applying unless good Salesman and Window-dresser, with undeniable references as manager; young married man with tact, energy, and personality seeking a permanency answering above requirements will be squarely treated. 32/4, Office of this Paper.

ELDERLY or middle-aged gentleman for supervision; duties very light; Birmingham district. Apply, "Carbon" (36/19), Office of this Paper.

ELDERLY, or retired Chemist required to act as stand-by in case of illness, holidays, or emergencies; occasional supervision only, no work; permanency. Belsher, Chemist, Bloxwich.

FOR a Lancashire Town.—Wanted, a qualified Assistant, accustomed to N.H.I. Dispensing, for third week in April; a permanency to a quick and active man of good address. Apply, stating wages, etc., to "Chemist," c/o Jno Quilliam & Co., Ltd., Victoria Bridge, Manchester.

HAYWARDS, Chemists, Leicester Square, Walsall, have an immediate vacancy for an outdoor Assistant; must have had good experience and used to high-class business. State full particulars in first letter to H. D. Hayward.

IMMEDIATELY.—Qualified Junior wanted for first-class Dispensing Chemists in the West End of London; outdoors. 33/25, Office of this Paper.

IMPROVER or Junior (outdoors) for quick Cash trade; state age, experience, and salary required; half-holiday weekly; no Sunday duty. Apply, with references, to J. & J. Thompson & Co. Ltd., Cash Chemists, Oldham.

IMPROVER or Junior; part time for study could be arranged. Full particulars, salary, etc., to A. Riley, Pharmacist, Bramley Leeds.

J. EDMUNDS & CO., LTD., Cash Chemists, 33 High Street, Kingsland, London, N.E., require a smart qualified Assistant, capable and industrious; good salary to suitable man; must have good references; age not under 25; no Sunday duty. Apply, by letter in first instance, giving full particulars.

JUNIOR, full time; Central London, near Bloomsbury Square; medium class; good Dispensing, English and foreign, and some Insurance; unique post for a young fellow who is anxious to get on and seeking sound experience. Call or write, full particulars, send photo if possible, Hamilton (opposite Holborn Hall), 170 Clerkenwell Road, E.C.

JUNIOR Assistant wanted for the river season (indoors) for good-class Dispensing and Photographic business. Martin, Chemist, Marlow-on-Thames.

JUNIOR Assistant wanted; outdoors; good Counterman, neat and accurate Dispenser. Please state age, height, experience, and salary, R. J. Butcher, Parkgate, near Rotherham.

JUNIOR Assistant wanted (indoors) for good-class Retail and Dispensing, with Photography; half-day weekly; one hour free daily; comfortable home; good salary to suitable man; permanency. H. C. Swaby, Hampton Court Pharmacy, East Molesey, Surrey.

JUNIOR or Improver in Light Retail business; ample time for study; two evenings a week off to attend technical classes in Norwich (7 miles); comfortable lodgings at very moderate cost. G. C. Maynard, Chemist and Dentist, Wymondham.

JUNIOR Assistant (indoors) for Retail and Dispensing business near London. Apply, with usual particulars, W. Wade, 55 High Street, Sidcup, Kent.

JUNIOR Assistant wanted, now or after Easter, unqualified, outdoors, Light Retail and Dispensing business; short hours. Write, stating age, experience, salary required, to Hoyle, Chemist, Southborough, Tunbridge Wells.

JUNIOR wanted, used to keeping and putting up stock, etc. Apply to Guests, Tooting Broadway, London, S.W.

LADY to act as Bookkeeper and Assistant Dispenser in S.W. London practice. Apply, giving age, experience, and salary expected, 30/8, Office of this Paper.

LADY Dispenser required by Medical Mission in London; board and lodging provided. For particulars of salary, etc., apply, Dr. Monro, 4 Arterberry Road, Wimbledon, S.W.

LOCUM Assistant wanted, about 28, experienced, qualified or unqualified, for a fortnight to commence Saturday morning. April 12. Hall, Chemist, Skegness.

LOCUM, qualified, middle of June for six weeks; smart man, and must have good references. Wallis, Ellesmere Port.

LOCUM, qualified, Wednesdays 3 p.m. to 9 p.m., alternate Sunday evenings 6 to 9 p.m. A. F. Pickford, 194 Holland Park Avenue, W.

LOCUM wanted early in June; qualified; Country Retail and Dispensing with some N.I. work; hours easy; good references essential. State terms (in- and out-doors) and all particulars, 34/27, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, have a vacancy for an unqualified Assistant; permanency and good salary.

MANAGER, qualified; Prescribing and Speciality business. State experience and salary required to "Aspirin" (34/15), Office of this Paper.

MANAGER wanted, young, qualified, for London; medium-class Store trade; good salary offered to gentleman used to this class of business and N.H.I. In reply please state age, references, experience, etc., to 36/6, Office of this Paper.

MANAGING Assistant required for Agricultural and Retail business, Eastern Counties; view to early succession if desired. Full particulars in first letter to Palmer, 373 High Street, Cheltenham.

MARRIED Assistant wanted, to live over Pharmacy, for high-class Dispensing business. Apply, with usual particulars as to salary, etc., "Alpha," c/o British Drug Houses, 20 Graham Street, City Road, N.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist as Manager; easy hours; good and progressive salary, with excellent prospects.

PART-TIME Assistant, Tuesdays, Wednesdays, and Thursdays, afternoon and evenings, 1.30 till 10 p.m. State qualification, age, salary, etc., to "Pharmacist," 397 Cambridge Road, Cambridge Heath, N.E.

QUALIFIED Assistant (23 to 30) required for good-class Dispensing and Retail business, where three are kept; hours from 8.30 to 9 p.m., Saturdays 10 p.m.; duty equally divided; board and lodging provided; must have had good Counter experience. Please give full particulars as regards age, experience, references, salary, when disengaged, and enclose carte, Procter, 5 Station Parade, Eastbourne.

QUALIFIED Chemist, with certificate, required daily; hours easy; suitable for elderly gentleman; one in the Wholesale, or preferably one studying for the Medical; West London; permanency to the right man. 32/3, Office of this Paper.

QUALIFIED Assistant for large Retail business in London; prospect of advancement for suitable man. State salary required and give full particulars of experience, 29/38, Office of this Paper.

QUALIFIED Assistant required for brisk Family, Dispensing, Agricultural business in country town; young, energetic; good Salesman; easy hours; no Sunday duty; married man not objected to; good prospects for suitable man. Apply, stating experience, salary required, to 31/10, Office of this Paper.

QUALIFIED Manager for Branch; young, capable, energetic. Apply, stating experience, salary, etc., to G. Marsden, Flixton Pharmacy, Flixton, near Manchester.

QUALIFIED Junior Dispenser; indoors. Apply, stating age, height, experience, salary required, and enclose photo, to Giles, Schacht & Co., Clifton, Bristol.

QUALIFIED Manager for Stoke-on-Trent, for Dispensing; easy and comfortable situation for suitable person. Usual particulars, etc., to "Aspirin" (33/16), Office of this Paper.

QUALIFIED Manager immediately for neglected branch; age 25 to 30; splendid opportunity for right man; hours easy; good Window-dresser, Salesman, Dispenser; state salary and usual particulars. Replies to be sent to 34/40, Office of this Paper.

QUALIFIED Assistant, 21-23, good-class Dispensing business; comfortable home. Enclose photo, state experience, height, and salary required. Maish, Chemist, Bristol.

QUALIFIED Manager (outdoors), single, required for good-class Retail and Dispensing business; good salary and commission to suitable applicant. Address, stating age, height, references, etc., and enclosing photo (to be returned), to A. Woodruff, Ph.C., Hazel Grove, Ches.

REQUIRED at once, young German Assistant; one with English and French experience preferred; must be well recommended and active. Apply, with copies of testimonials, to 32/29, Office of this Paper.

SMART Junior Assistant wanted for Dispensing and Retail business; unqualified. Apply, with full particulars and salary required, to W. Bates & Co., Ltd., 50 Oxford Street, Southampton.

UNQUALIFIED Assistant (outdoors) from July 6 to September 14; holiday relief; S.E. and S.W. London; one used to quick Cash trade and with Photographic knowledge preferred. Apply, 31/21, Office of this Paper.

UNQUALIFIED Assistant; one capable of looking after business, keeping books, Counterman, etc.; increasing salary to good man; permanency if suitable. Bowling, Chemist, Pembroke Dock.

UNQUALIFIED Assistant, about 23 or 24; used to Counter and Dispensing; good salary and commission to good man. Apply, with particulars, photo, and salary asked, Lester & Williamson, Chemists, Great Heath, Coventry.

YOUNG Junior wanted, 19 to 20; outdoors. State salary required and usual particulars, W. Roberts, Chemist, 73 Brook Street, Chester.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LONDON.—Smart, energetic man required by manufacturing firm to supervise Packed Goods Department, introduce new lines, and assist Travellers to keep up to date with samples, etc.; must be prepared to do a certain amount of Travelling in the United Kingdom with samples; suitable salary, expenses, and commission on profits to really capable man. Reply, giving fullest particulars of previous experience, references, etc., which will be treated in strict confidence, to 179/9, Office of this Paper.

A FEW really smart Representatives wanted, calling on Chemists, Hairdressers, and large Drapers, for new well-selling lines. Apply, Seamless Rubber Co., Ltd., 6/7 Kinghorn Street, E.C.

ASSISTANT required in Buyer's Department of Druggists' Sundries house; must have had experience in the trade; good opportunity; age about 20-21. Full particulars to 180/7, Office of this Paper.

ASSISTANT Analyst required by firm of Manufacturing Pharmaceutical Chemists; Academic training essential, and preference given to previous experience in Analysis of Drugs and Pharmaceutical Products. Reply should state experience, qualifications, age, and salary required to 175/44, Office of this Paper.

CHEMIST. — Wanted by a leading firm of Manufacturing Chemists, a Chemist with Pharmaceutical qualifications and training, possessing technical and scientific abilities, with commercial instincts and initiative, to undertake Secretarial, Organising, and Administrative duties, with the prospect of a permanent and advancing position; exceptional references will be required; candidates should be about 35. Applications, giving fullest particulars and salary required, to 175/42, Office of this Paper.

COMPRESSED Tablets.—A reliable and experienced man wanted with good knowledge of Granulating and Compressing. State age, experience, and wage required to 33/220, Office of this Paper.

DRY Counter hand, with good experience, wanted; must be an absolutely reliable man. State experience and wages to "London, S.E." (179/33), Office of this Paper.

SMART man for 1*d.* Drugs, etc.; Wholesale and large buyers only; London, Bristol, South Coast, and part Midlands; experienced men with intimate knowledge of trade and ground only need apply; remuneration, age, experience. Replies in confidence to Kaputine, Ltd., Manchester.

EXPERIENCED Counter hands, aged about 24, with good knowledge of Wets or Drys, required; progressive appointments for energetic and competent men. State record and wages required to 36/14, Office of this Paper.

PILLS.—A good all-round hand wanted. Give full particulars of age, experience, and wage required to 33/22, Office of this Paper.

PRINTER'S Traveller wanted to call upon Chemists; none but practical men will be considered. Apply, 178/74, Office of this Paper.

REPRESENTATIVES required, on commission, to further the sales of a well-known Mice and Rat Exterminator. Apply, by letter, giving full particulars, to Box 607, Cleaver & Co.'s Advertising Agency, 62 St. Martin's Lane, London, W.C.

REQUIRED by firm of Manufacturing Chemists in London, several experienced Representatives to call upon Chemists in the provinces with their advertised special lines. Write, stating full particulars of experience, connection and territory covered, also salary required, Box 94, Mitchell's Advertising Offices, 1 Snow Hill, London, E.C.

SMART young man with intimate knowledge of the prices of Drugs, Packed Goods, Patents and Sundries required by well-known firm; comfortable and progressive berth for someone anxious to get on. 34/44, Office of this Paper.

TABLET hand required by a London firm; good wages to an experienced man. Applications and full particulars to 178/52, Office of this Paper.

TRAVELLER for Midlands to carry smart series Toilet Preparations and Packed Goods as a side-line; part expenses and liberal commission to first-class man. White Band Manufacturing Co., Ltd., Progress Works, South Croydon.

WET Counter.—Junior wanted by Wholesale Druggists, South London. Write full particulars, age, salary, to 180/55, Office of this Paper.

YOUTH, age about 16, wanted at once for Warehouse; experience of Druggists' Sundries essential. Reply, Box 5,168, c/o Clark's, 49 Great Portland Street, W.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

SHANGHAI.—Qualified Assistant, about 23, required for old-established English Chemists; four years' agreement; passage paid out and home; terms (approximately) £180 first year, with annual advance of £24; furnished room and medical attendance provided. Apply, with full particulars, to 86/550, Office of this Paper.

TABLETS, Compressed and Sugar-coated.—Wanted, young man for abroad, with good experience; one with knowledge of Pill Coating preferred. Apply, stating age, qualifications, etc., to 180/13, Office of this Paper.

YOUNG Pharmacist, English, able to speak French fluently, required by English Manufacturing house to Represent them abroad; particulars of duties of the position will be furnished to suitable candidates on application. Applicants should give full particulars of age, experience, salary required, etc., to 175/43, Office of this Paper.

APPRENTICESHIPS.

APPRENTICE.—Wanted, well-educated youth as Apprentice to Chemist; indoors; must passed Preliminary. Wilton, Chemist, Erdington, Birmingham.

WANTED, in a first-class Pharmacy on the South Coast, a smart youth as Apprentice; no premium required; splendid opportunity for learning the business. F. Wimshurst, Pharmaceutical Chemist, Bexhill-on-Sea.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

ADVERTISER, 30, tall, gentlemanly, integrity and ability unquestioned, desires post in City or West End; artistic Window-dresser, expert Ticket-writer, clever Counterman. "Cerebrum" (29/35), Office of this Paper.

AFTER Easter.—Anyone wanting a reliable unqualified Assistant; 27; could Manage Branch and increase trade. Write, "Energetic," 34 St. Thomas Road, Fulham.

AS Volunteer.—A young Swiss Chemist, fully qualified, and speaking French and German fluently, also Italian and English, offers his services to learn English Dispensing. L. Cuttat, 72 Elmfield Road, Balham, London, S.W.

ASSISTANT; 22; Brighton or London preferred; easy hours; Dispensing and Counter; highest references. 32/6, Office of this Paper.

ASSISTANT; age 38; all-round experience; S.E. preferred; accustomed taking charge; whole or part time; Insurance, first-class Dispensing. "Statim," 77 High Street, Croydon.

ASSISTANT; disengaged soon; good Counterman, Photo, and Dispensing. "Metol," 47 St. Donatt's Road, S.E.

CHEMIST-OPTICIAN (27), Scotch, Minor and D.B.O.A., desires situation as Manager; 4 years' experience as such; excellent references; fair salary and reasonable hours. 29/30, Office of this Paper.

CONTINENTAL qualified Chemist, speaking French, German, and Italian, having experience in English Dispensing, requires situation. A. Wurtz, 76 York Road, Lambeth.

DISENGAGED April 11; thorough all-round experience; married; charge of Branch, or Senior; London preferred, but not essential. Apply, 33/11, Office of this Paper.

DISENGAGED until 6, Monday all day; first-class Dispensing, experienced Insurance, Hospital Dispenser, neat Bookkeeper; smart, good Counterman. Gibson, 115 Scott-Ellis Gardens, St. John's Wood.

DISENGAGED; Locum or part-time; April only; competent, reliable. "Chemicus," 28 Claverdon Street, Pimlico.

EASTER Locum-Tenens; £2 (indoors) and return fare. Futcher, 83 Bath Road, Southsea.

EVENING work wanted; Dispensing or Surgery Attendant. "A.," 24 College Street, Chelsea.

EVENING work, any capacity; qualified. "A. C.," 38 Loraine Road, Holloway, N.

GERMAN Assistant, speaking likewise English and French, six months' London experience, thorough knowledge of Photography, desires situation. 33/15, Office of this Paper.

JUNIOR, unqualified, tall (21), desires berth for a few months; highest references; Photography and N.H.I. "B." (32/33), Office of this Paper.

LOCUM, qualified, disengaged; thoroughly experienced; good references. "Pharmacist," 20 Exchange Street, Norwich.

LOCUM; 30; qualified; West-End, provincial experience; disengaged. N. Smart, Beach Road, Littlehampton.

LOCUM; 50; experienced; abstainer; disengaged; forward bookings. "Extractor," 4 Central Terrace, Redcar.

LOCUM, qualified; 37; 20 years' first-class experience; disengaged immediately. "Aspirin," 29 Avondale Road, Southport.

LOCUM; 35; unqualified; thoroughly experienced. Dewar, 387 Katherine Road, Forest Gate.

MANAGER or Locum; 42; all-round experience. "Qualified," 45 Oscar Street, S.E.

MANAGER; Manchester district; Locum open. Walker, 25 Douglas Street, Higher Broughton, Manchester.

MANAGER; Locum; disengaged; 43; Major; long varied experience, Dispensing, Photography; good references; outdoors. "T.," 95 East Ferry Road, Poplar, E.

MANAGER; Minor and F.S.M.C.; married; exceptional experience and references. 33/27, Office of this Paper.

PART-TIME Dispensing (London); free 9 to 5 p.m.; experienced; Chemist, Doctor, or Hospital. 36/16, Office of this Paper.

PART-TIME; disengaged all day Thursday, other days till 4 p.m. "Extractor," 14 Anstey Road, Camberwell, S.E.

PHARMACIST, as Manager; 42; married; exceptional experience; would entertain view to succession or Partnership; first-class references. 33/270, Office of this Paper.

QUALIFIED; 29; Manager or Senior; permanent; experienced; excellent references. Jackson, 53 Margate Road, Southsea.

QUALIFIED; Manager or Locum; good all-round experience; disengaged 13th inst. 5 Brighton Terrace, Horley.

QUALIFIED; Managership (good permanent); middle-aged; married; first-class experience; excellent references. 34/18, Office of this Paper.

QUALIFIED; 26; single; disengaged; high-class Dispensing experience; Lancashire preferred; permanency or Locum. 33/13, Office of this Paper.

QUALIFIED Manager; disengaged; thoroughly experienced; good situation only. Apply, 32/34, Office of this Paper.

QUALIFIED; Manager or Assistant; tall; experienced; North preferred. Address, 32/7, Office of this Paper.

QUALIFIED; Manager or Locum; married; good experience. Burton, 35 Avenue Road, Blackheath, Birmingham.

QUALIFIED; Locum; elderly; disengaged 11th inst. J. Green, 23 Victoria Road, Edmonton.

QUALIFIED; at liberty; 30; Manager, Salesman; West-End Dispensing and Store experience; steady and reliable; best references. "Pharmacist," 9 Hornsey Rise, N.

QUALIFIED, thoroughly experienced, 34, 5 ft. 9 in., desires immediate engagement; permanency or Locum. "Spes," 31 Bonner Road, Bethnal Green, N.E.

QUALIFIED Manager disengaged; Extractor; experienced; South Wales preferred. Davies, Ty Cwrdd, Llwynhendy, Llanelly.

QUALIFIED Manager; Store and West-End experience. Hunter, 10 Popes Road, Brixton.

QUALIFIED; Manager, Assistant, or Locum; all-round experience, home and abroad; 39; married; thoroughly reliable; not afraid of work. "Chemist," 38 Roupell Street, S.E.

QUALIFIED, 34, married, desires position as Manager; suburbs or country town near London preferred; tall; first-class West-End experience and provincial. 36/25, Office of this Paper.

QUALIFIED Manager or Locum; exceptionally good all-round experience; most satisfactory references; thoroughly experienced and reliable; disengaged. "Aspirin," 238 Derinton Road, Tooting, S.W.

RELIEF work; Liverpool district; experienced Dispensing, Counter; highest credentials. Carroll, 17 Merton Place, Claughton, Birkenhead.

RETIRED fully-qualified Medical man, aged 50, on the Medical Register and formerly in business for 13 years as a Chemist and Druggist, is tired of inaction, and, not wishing to return to general practice, would like to hear of something where his experience in General Medical Practice and of the Drug trade could be utilised. 31/16, Office of this Paper.

TWENTY years' Managerial experience; Dentistry, Pharmacy, Optics; propositions invited; unregistered. 34/21, Office of this Paper.

UNQUALIFIED; Assistant or Manager; aged 49; town or country; disengaged; abstainer; 30s. per week. "Bromo," 14 Cambridge Road, Horfield, Bristol.

UNQUALIFIED; Dispenser; 6½ years present situation, sole control Dispensary, Public Institution; age 45; outdoors. Hours, salary, "Dispenser," T.C.A., Arlesey, Beds.

UNQUALIFIED Assistant, age 25, married, requires post; has a general knowledge of Dispensing, Photography, etc.; seaside preferred, but not essential. Apply, "Rex" (30/4), Office of this Paper.

UNQUALIFIED; Assistant or Locum; 30; experienced in all branches; good Counterman and Prescriber; can take full charge. "Hephaldah," 16 Stamford Road, Longsight, Manchester.

UNQUALIFIED Assistant, age 23, requires situation in London; East End preferred. Staines, 291 High Road, Leyton.

UNQUALIFIED, tall, good experience, desires position; Part-time or time off for study; Midlands and within easy reach of classes preferred. 34/19, Office of this Paper.

UNQUALIFIED; 24; abstainer; good appearance; 7 years' varied experience; Counter preferred. 34/29, Office of this Paper.

UNQUALIFIED; Dispensing, N.H.I., Extractor; country and town experience; steady; single. "Calcium" (33/30), Office of this Paper.

UNQUALIFIED, reliable (23), tall, good experience, requires engagement; salary 45s. "Bonum" (33/33), Office of this Paper.

UNQUALIFIED; at liberty shortly; age 40; tall; good appearance; first-class all-round experience; Dispensing and Photographic; good Counterman; Liverpool preferred. 33/31, Office of this Paper.

UNQUALIFIED Lady Assistant (23) desires re-engagement; 4½ years' experience; excellent Dispensing, Counter, and Photographic experience; good references. 30/38, Office of this Paper.

UNQUALIFIED, Hall certificate, single, 47, abstainer, Extractor, seeks permanency (outdoors), or manage branch (indoors); good reference; save time, interview; town, suburbs, or country. Instanter, 5 Barnfield Road, Belvedere, Kent.

UNQUALIFIED (28) seeks engagement in London; hours about 8.30 to 6 o'clock, or part time. 35/36, Office of this Paper.

UNQUALIFIED relief; 27; tall; good appearance; civil at Counter; indoors £1, out 30s., expenses; commence at once. "Junior," 164 Beecham Road, Reading.

35; Insurance qualification; disengaged; good Salesman, Prescriber; 35s. (outdoors); Locum work; permanency preferred; steady man. "Dispenser," 9 Treorky Street, Cardiff.

"The Chemist-Optician" is the first book which chemists should read who want to know how to make money off spectacles and eyeglasses. Published at 4s. (by post 4s. 3d.), can be obtained from the C. & D. Offices in London or Melbourne, and from the wholesale and sundries houses at the published price.

WHOLESALE.

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EXPERIENCED Assistant (24), Wholesale and Retail, desires position with Wholesale firm; Midlands preferred. 33/34, Office of this Paper.

GENTLEMAN of good appearance and address, and with eight years' thorough knowledge of the craft, desires to Represent first-class firm of Wholesale Chemists; London or provinces. Full particulars to 33/19, Office of this Paper.

MANAGER, Warehouse and Despatch, seeks engagement; over 15 years' experience; capable organiser; good knowledge of Essences, Essential Oils, and Sundries; unimpeachable reference; would Represent firm on East or South Coast requiring an energetic and pushful man. Address, "Recens" (31/35), Office of this Paper.

MANAGERESS.—English lady, 7 years' experience in German and English Chemical Works, requires similar situation. Apply, "Anglo-German" (21/5), Office of this Paper.

SALES and Advertising Manager is desirous of concentrating his selling ability on the productions of one firm; at present and for the past five years with firm directing the publicity and sales effort behind various well-known Proprietaries; previously engaged in successfully placing Speciality on the English market for American house of the highest standing; able to organise and control selling staff and establish big business for meritable article; good personal Salesman, and knows Great Britain thoroughly from actual working; first-class references as to integrity and ability; correspondence invited, in confidence, from firms of standing only. "Capable" (29/32), Office of this Paper.

STRONG youth, 18, requires situation in Druggist's; 10 months' good references. Kew, 12 Manor Grove, Richmond, Surrey.

TRAVELLER, calling upon Chemists in West of England, requires one or two good Agencies. Apply, 30/34, Office of this Paper.

TRAVELLER, having the *entrée* to the best Chemists, Drapers, Stores, etc., London and suburbs, would like to Represent a firm in a good or new line. 35/37, Office of this Paper.

YOUNG man, disengaged, desires position in a provincial Drug house; 6 years' experience; first-class references. "Phenol," 227 Humberstone Road, Leicester.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for **12** words or less; **6d.** for every **10** words beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

PHARMACEUTICAL Chemist, Canadian qualification, desires situation abroad. "Chemist," 76 Buck's Road, Douglas, I.M.

SOUTH AFRICA.—British qualified Chemist, Scotsman, 33 years of age, 10 years' South African experience, mostly Retail management, at present in South Africa, wishes position as Travelling Representative for first-class British Drug and Sundries house; thorough knowledge of country and requirements. Reply in first instance to 171/66, Office of this Paper.

"GUIDE TO PRELIMINARY EXAMINATIONS IN PHARMACY," ETC.—Many of our readers will be considering from time to time what to do with their sons, and in this connection may desire to ascertain the degree of difficulty of examinations for pharmacy, medicine, dentistry, etc. This little volume contains full information as to the regulations, together with sample papers and many useful hints on all the subjects given at the Preliminary examinations for these professions, and it is a book necessary to the intending competitor and useful to the parent seeking information.—*The Schoolmistress.*

MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green.

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Wanted (subject).—150 Allenbury "B" Preference, 21*s.* 9*d.* x.d.; 100 Evans Lescher Preference, 97*s.*; 150 Meggeson Ordinary, 20*s.* 7½*d.*

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BOOKS AND PERIODICALS.

"BRITISH Pharmaceutical Codex," 1907, and "The Dog: Its Management and Diseases"; what offers? "Salol," 65 Northdown Road, Margate.

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TEETH; 1,000 diatorics, molars and bicuspids, good colours, sizes, shapes; 10s. "R.," 57 Thornhill House, Thornhill Road, London, N.

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MISCELLANEOUS.

REMINGTON No. 7 typewriter, with cover, 85s.; Wither's fire-proof safe, 2 shelves, 2 drawers, size 30 by 24 by 23 in.; condition perfect; £5 5s. 32/35, Office of this Paper.

SCHREIBER iron-frame surgical chair, with appliances, 60s.; invalid couch, 32s. 6d.; both adjustable and leather covered; first-rate condition. Davis, 52 Station Road, Wood Green.

WANTED.

DISPENSING scales; cheap. State price and description, 30/2, Office of this Paper.

STUDENT'S microscope and slides; on appro. Cropper, 29 High Street, Scunthorpe, Lincs.

WANTED, "B. P.," 1898; cheap. Mason, 25 Northumberland Gardens, Jesmond, Newcastle-on-Tyne.

TYPEWRITER (visible writing), percolators, surplus patents, filling machines. Walton, Cleckheaton.

TABLET machine, second-hand; power; take dies to ¾-in. diameter. State price and condition, 30/39, Office of this Paper.

SECOND-HAND vacuum pan with pump, to boil at about 110 degrees, capacity 5-10 cwt. per 12 hours (about). Apply, 34/14, Office of this Paper.

ADVERTISER, who is opening a business in a Lancashire town, will be glad to negotiate for complete set of fixtures and fittings. 34/48, Office of this Paper.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

ADDRESSES WANTED.

PRESENT address of Ainslie & Co., late of 21 Brewer Street, Regent Street, W. 29/31, Office of this Paper.

WOULD any pharmacist oblige with the present address of Mrs. Wyatt, late of Felbridge, East Grinstead? H. S. Martin, Ltd., Chemists, East Grinstead.

WOULD any pharmacist oblige with the present address of Mr. Alexander Smith, chemist's assistant, late of Tunbridge Wells and Westgate-on-Sea? Evans, Chemist, Margate

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NETHERLANDS NOTES.

Red Cross Prosecutions.—The first of a series of prosecutions has been instituted at The Hague against a number of chemists, shopkeepers, instrument-makers, etc., for using a red cross in their show-cases, on medicine-cases, or on shop-signs. This is contrary to the law passed on January 7, 1911, which provides that he who makes unauthorised use (no matter if with slight alteration) of a name or a distinctive sign, the use of which has been legally adjudicated to one special association or to the medical service of the Army, is liable to imprisonment for not more than one month or to a fine of not more than 300 guilders.

Jubilee of the "Pharmaceutisch Weekblad."—On Friday, April 3, this Dutch journal of pharmacy celebrates the completion of its first fifty years. Until 1901 there was another journal of pharmacy in Holland, Haanman's "Tijdschrift voor schei en Artsenijbereivkunde," which was exclusively scientific, and at irregular times the "Berichten" of the Dutch Pharmaceutical Society appeared. In 1902 these three journals were amalgamated, and since then the "Pharmaceutisch Weekblad" has been the official organ of the Nederlandsche Maatschappij ter Bevordering der Pharmacie, and it is devoted to scientific and social matters of pharmaceutical interest. The first chief editor was R. J. Opwyrda, who was succeeded in 1891 by M. L. O. van Ledden Hulsebosch. Professor L. van Itallie was his successor in 1896, and the present chief editor, Professor P. van der Wielen, took up the appointment in 1907. The jubilee issue of April 3 is a bulky volume of 170 pages, the editors and other contributors describing the development of different branches of pharmaceutical science and the social condition of pharmacy during the past fifty years. Mr. M. L. O. van Ledden Hulsebosch describes the development of "The Weekblad"; Professor L. van Itallie gives a *résumé* of the pharmaceutical legislation since 1864; Mr. J. J. Hofman compares the present social position of pharmacists with that of fifty years ago; Dr. J. F. Suyner describes the way in which the "Pharmaceutisch Weekblad" became the official organ of the Nederlandsche Maatschappij ter Bevordering der Pharmacie; Mr. H. van Gelder sketches the development of the opposition to quackery during the last half-century; Professor Dr. E. Verschaffelt describes the progress of pharmacognosy during the period, Professor Dr. N. Schoorl and J. J. L. Zwikker that of pharmaceutical and analytical chemistry, and Professor Dr. H. Wefers Bettink that of toxicology; Mr. W. C. de Graaf enumerates improvements in the chemical examination of urine, Dr. H. L. Visser sketches the development of the examination of foods, Dr. J. S. Meulenhoff describes the changes in therapeutics and dispensing of medicaments, and Professor P. van der Wielen gives a *résumé* of the development of the examination and the preparation of medicaments. Besides this jubilee issue, the readers of the "Pharmaceutisch Weekblad" receive from Professor van der Wielen and the publisher, Mr. D. B. Centen, a copy of four "Monumental Pharmaceutica," the first of a series of reprints of important pharmaceutical publications which they intend to reprint in the course of years.

DEEDS OF ARRANGEMENT.

Nugent, Patrick M., trading as Ray's Medical Hall, 23 Nassau Street, Dublin, Chemist.—Petition for arrangement, accompanied by the customary affidavit of assets and liabilities. Dated, March 26; filed, March 30. Unsecured liabilities, 550*l.*; estimated net assets, 160*l.*

Lambert, Robert Morrison, trading as Samuel Lambert & Co., 14 Mincing Lane, London, E.C., Drug-merchants' Agent.—Trustee, G. A. Petter, 45 Bedford Row, W.C., C.A. Dated, March 18; filed, March 24. Secured creditors, 2,685*l.*; liabilities unsecured, 3,223*l.*; estimated net assets, 658*l.* The creditors include: Burroughs Wellcome & Co. (13*l.*); F. Boehm, Ltd. (19*l.*); Beeswax Co., Ltd. (11*l.*); Buck & Hickman, Ltd. (62*l.*); Brandram Bros. (5*l.*); C. H. Bryant (137*l.*); Charles Churchill & Co. (80*l.*); Dillamore & Rawley (5*l.*); Devon & Co. (18*l.*); East London Saltpetre Works (24*l.*); French & Plueknett (28*l.*); F. Gray (27*l.*); C. F. Gerhardt (12*l.*); Hale & Son (22*l.*); Horner & Sons (65*l.*); Lewis & Peat (10*l.*); R. Lehmann & Co. (8*l.*); Mitcham Japan Co. (21*l.*); E. J. Parry (16*l.*); R. Quincey (13*l.*); W. Slimmon (22*l.*); Schimmel & Co. (32*l.*); P. Samuelson (43*l.*); Stern Sonneborn Oil Co. (48*l.*); I. M. Vickers (5*l.*); A. & E. Walter (76*l.*); John Wylde (7*l.*); Luke & Spencer (4*l.*); Thompson & Norris (20*l.*); Howards & Sons, Ltd (133*l.*); Thompson & Capper, Ltd. (7*l.*); J. Woolley, Sons & Co. (16*l.*); Thomas Tyrer & Co., Ltd (8*l.*); William Bailey & Sons (123*l.*); Evans, Gray & Hood (5*l.*).

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Monday, April 6.

Society of Chemical Industry, London Section, Burlington House, Piccadilly, W., at 8 P.M. Professor F. Mollwo Perkin on "By-products from Peat"; Professor H. E. Armstrong, F.R.S., on "Sulphuric Acid—the Swing of the Pendulum"; Jitendra Nath Rakshit and Sachindra Nath Sinha on "Tables of Specific Gravities of Spirits for use with Bedford's Tables"; Dr. R. Gaunt on "The Viscosity of Rubber Solution."

Tuesday, April 7.

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C., at 8 P.M. Professor G. T. Morgan on "Organic Derivatives of Arsenic and Antimony."

Rontgen Society, Institution of Electrical Engineers, Victoria Embankment, London, E.C., at 8.15 P.M. Dr. R. T. Beatty on "The Energy of the Röntgen Rays."

Wednesday, April 8.

Pharmaceutical Society, North British Branch, 36 York Place, Edinburgh, at 8.30 P.M. Evening meeting. Mr. W. B. Cowie on "Assay of Nux Vomica"; Mr. Gilbert Simpson on "Titration of Fixed Alkalies in Presence of Ammonia"; Mr. E. O. Rowland on "Glycerin Preparations of Lemon and Orange."

Western Pharmacists' Association, Restaurant Frascati, Oxford Street, London, W., at 9 P.M. Ordinary meeting.

Manchester and Salford Chemists' Assistants' Association, Clarion Café, Manchester, at 8 P.M. Mr. F. Dickinson on "Poisons Regulations."

Manchester Pharmaceutical Association, Chemical Club Rooms, Victoria Hotel. The meeting arranged for this date has been postponed.

Contracts.

Settlements of the following contracts have been notified since our last issue:

Aberystwyth Guardians.—Sanitas Co., Ltd., for disinfectants.

Amersham Guardians.—Mr. E. G. Elliman, chemist, of Chesham, for a supply of cod-liver oil and crushed linseed.

Atherstone Guardians.—Mr. C. E. Ison, for chemists' goods.

Barnstaple Guardians.—Mr. G. W. Proudman, chemist, quinine at 2*s.* oz. and cod-liver oil at 4*s.* 4*d.* gal.

Barrow-in-Furness Guardians.—Mr. W. B. Swann appointed chemist for the quarter.

Belper Guardians.—J. Calvert & Son, chemists, for drugs.

Bethnal Green Guardians.—S. Maw, Son & Sons, for druggists' sundries.

Blandford Guardians.—Mr. H. Richards, chemist, for drugs.

Blandford Town Council.—Parden & Co., Ltd., for disinfectant powder and fluid.

Bolton Guardians.—Thos. Moscrop & Co., Ltd., for disinfecting-fluid; J. Taylor & Co., Ltd., for drugs, druggists' sundries, Benger's food, toilet-soap, and Sanitas; Waring Bros. & Co., for chloride of lime and hydrochloric acid; Waller & Riley, Ltd., for absorbent wool; Fisher, Raworth & Co., Ltd., for seltzogenes.

Bolton Town Council.—Mr. J. W. Brooks, for disinfectant.

Bridlington Town Council.—Exors. of the late W. Sharratt, Manchester, for disinfectants.

Bristol City Hospitals.—Ferris & Co., for supply of drugs, chemicals, etc., during the next twelvemonths at 422*l.* 2*s.* 3*d.*

Burton-on-Trent Guardians.—Mr. H. Staley, chemist, for lint and wool.

Bury St. Edmunds Guardians.—Messrs. Nunn, Hinnell & Clark, chemists, for drugs, etc.

Camberwell Guardianse have decided to invite the following firms to quote a discount off their price-lists for the supply of drugs: The Apothecaries' Society, Burgoyne, Burbidges & Co., Corbyn, Stacey & Co., Davy Hill & Co., Duncan, Flockhart & Co., Hewlett & Son, Hodgkinson & Co., Willow, Francis & Co., and Walker, Trope & Co. Invitations for the supply of bandages and surgical dressings from the Apothecaries' Society, Burgoyne, Burbidges & Co., Hewlett & Son, Maw, Son & Sons, Leslies, Ltd., Robinson & Co., Hospital and General Contracts Co., A. Berliner, the Galen Manufacturing Co., J. T. Smith & Nephew, Medical Supply Association, and Willow, Francis & Co. [These names are as given in the official agenda. Some are wrong.—Editor *C. & D.*]

Cambridge Guardians.—Mr. J. Evans, chemist, for a six-months' supply of drugs.

Chelmsford Joint Hospital Board.—Mr. H. Jenkins, chemist, Braintree, for drugs, etc.

Derby Town Council.—Cook & Co. and Sonax Disinfecting Co., for disinfectants.

East Grinstead Guardians.—H. S. Martin, Ltd., for drugs and hospital requisites.

Eastry (Kent) Guardians.—Mr. A. E. Woodruff, pharmacist, for chemists' sundries.

Ecclesall Bierlow Union.—Messrs. J. Gilbert Jackson, Ltd., Sheffield, for drugs, etc.; T. J. Smith & Nephew, Ltd., Hull, for surgical dressings.

Faversham Guardians.—Mr. T. J. Thomas, Faversham, appointed chemist for a year.

Faversham Rural Council.—Mr. J. T. T. Rolfe appointed chemist for the ensuing year.

Hemsworth.—Mr. G. Hodgson, chemist, for drugs.

Heston and Isleworth District Council.—Adcocks, for an annual supply of disinfectants at 51*l.* 2*s.* 3½*d.*

Holborn Borough Council.—Adcocks, Ltd., for an annual supply of disinfectants.

Ickenham Joint Hospital Board.—Richards & Poll, for a supply of disinfectants at 26*l.* 7*s.* 2*d.*

Ilford Urban District Council.—Mr. J. Newton Wright, chemist, for annual supplies of carbolic acid and disinfectant powder; Mr. T. S. Harrison, for disinfectant fluid and formalin.

Isle of Thanet Guardians.—Mr. W. Howard, Ramsgate, disinfectant-fluid at 3*s.* 4*d.* gal.

Kettering Guardians.—Mr. W. Hitchman, chemist, for a six-months' supply of drugs.

Lancaster Union.—Mr. Robert S. Angus, chemist, for the supply of drugs during the ensuing six months.

Leyton Urban Council.—Mr. T. H. Seed, chemist, for the supply of drugs and sundries to the hospital; Edwards' Climax Sanitary Compounds Co., for a three-years' supply of disinfectant-fluid.

Louth Rural Council.—Mr. H. D. Simpson, chemist, for disinfectants.

Luton Guardians.—Wootton & Webb, for the drug supply.

Maidstone Town Council.—Mr. W. G. Wells, for an annual supply of drugs.

Malling Guardians.—Corfe & Sons, chemists, Maidstone, for drugs and medical requisites; Mr. H. C. H. Oliver, chemist, for soda-water.

Malmesbury Guardians.—Mr. A. E. Long, for tartaric acid at 1*s.* 4*d.* lb.; A. Adwye & Son, for borax at 3½*d.* lb.

Marylebone Guardians.—For six months' supplies: Corbyn, Stacey & Co., Ltd., drugs at 272*l.* 13*s.* 9½*d.*; S. Maw, Son & Sons, druggists' sundries at 288*l.* 18*s.* 11*d.*; Victoria Rubber Co., Ltd., waterproof sheeting, 52*l.* 10*s.*; Pocock Bros., water-pillows, 17*l.* 0*s.* 6*d.*

Milton Regis (Kent) Guardians.—Mr. F. E. French, for chemists' goods at 25*l.* 11*s.*

Nuneaton Guardians.—Boots, Ltd., appointed chemists for a year.

Reigate Guardians.—Mr. F. Rogers, chemist, for drugs and dressings.

Romsey Guardians.—Mr. F. Oram, Ph.C., for drugs and surgical dressings.

Sheffield Union.—W. Rathbone & Co., Manchester, for W.S.R.M. indiarubber sheeting; Brunner, Mond & Co., for 10 tons of soda.

Sittinghourne Urban Council.—Mr. J. E. French, chemist, Sittinghourne, for disinfectants.

South Stoneham Guardians.—Mr. C. T. Steel, chemist, for medical requisites.

Stourbridge Guardians.—Mr. A. J. West, chemist, Amblecote, for castor oil 3*s.* 5*d.* gal., Epsom salts 1*d.*, linseed-meal 17*s.* 6*d.*, lint 1*s.* 2½*d.*, boracic lint 1*s.* 2*d.*, Gamgee tissue 1*s.* 2½*d.*, guttapercha tissue 5*s.* 9*d.*, vaseline 7*d.*, starch-powder 4*d.*, zinc powder 7½*d.*, boracic powder 5½*d.*, single trusses 1*s.* 6*d.*, double 1*s.* 11*d.*, methylated spirit 2*s.* 10*d.*

Todmorden Guardians.—Mr. G. B. Wright, Hebden Bridge, appointed chemist.

Twickenham Urban District Council.—Mr. A. Feather, chemist, for an annual supply of drugs, dressings, and druggists' sundries.

Wakefield Guardians.—Mr. W. Pollard, chemist, for drugs, surgical appliances, oils and colours, etc.

Watford Guardians.—E. M. & M. T. Chater, for a six-months' supply of surgical dressings and an annual supply of drugs.

West Ashford Guardians.—Mr. F. W. Stedman, chemist, appointed as druggist.

Weymouth Guardians.—Mr. W. T. Evans, for hospital dressings.

Winchester Guardians.—Mr. S. G. Bartlett, chemist, for methylated spirit 3*s.* 3*d.*, spirits of salt 1*s.* 3*d.* per Winchester quart, glycerin 7*d.*, pure carbolic 5*d.*, castor oil 3*d.*, white lint 1*s.* 5½*d.* lb., boric 1*s.* 11*d.*, white wool 9*d.*, gauze 7½*d.*, tow 5½*d.*, tenax 1*s.* 6*d.* per roll, jaconette 1*s.* 9*d.* yd., Jeyes' fluid 4*s.* 9*d.*, powdered starch 6*d.*, boric acid 7*d.*, liquorice 10*d.*, zinc ointment 1*s.*, boric ointment 10*d.*, zinc 1*s.* 2*d.*, malt and oil 9*d.*, Epsom salts 1*s.* 8*d.* (7 lb.), vaseline 3*s.* 6*d.* (5-lb. tin), tartaric acid 1*s.* 8*d.*, bicarbonate of soda 4*d.*

Windermere Urban Hospital.—Mr. T. M. Holmes, chemist, for drugs.

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